

<110> metaGen Gesellschaft für Genomforschung mbH

<120> Human Nucleic Acid Sequences from Ovarian Tumor Tissue

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<141> 1999-04-07

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aaaagtcgac c 671

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<210> 10

<211> 803
 <212> DNA
 <213> Homo sapiens

<400> 10

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803

<210> 11

<400> 11

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<210> 12

<211> 828

<212> DNA

<213> Homo sapiens

<400> 12

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gcattgccaa agtttttgtt agtcttgcac gcttaataaa agtgctgaga cacttggtac720
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828

<210> 13

<211> 552

<212> DNA

<213> Homo sapiens

<400> 13

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tgatgtacac ttgtattatt aaagcactca ataaatcact gtggctgata actgcaaaaa480
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cttgtctaatt tc

552

<210> 14

<400> 14

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<210> 15

<211> 993

<212> DNA

<213> Homo sapiens

<400> 15

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gtttagacct gcagtgtagt aaacctttctc atcgaaaact tttccatctt cccttaaaat240
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993

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<210> 16

<211> 2273

<212> DNA

<213> Homo sapiens

<400> 16

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ctgcacctta gaaaaaaaaa gaaaaatcaa aaaaacaaaa aaacaaaaac aaaaaaagaa 60
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<210> 17

<400> 17

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<210> 18

<211> 986

<212> DNA

<213> Homo sapiens

<400> 18

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gattaaaaaga catctttcct gcattgccat ctacataata tcagatatta cggatgttag240
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<210> 19

<211> 526

<212> DNA

<213> Homo sapiens

<400> 19

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gcacagaaca aattatttgt tcacagttac ttttaactct ttcagcaatg cctgagtcct180
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tcacccaatg gattaaaacc cttccttttg gtggcagtg aacgggtatg tacctaaaaa420
gaaaaaagag ttaatcacct ctctgggata tgaatgctat tagaagtttg ttgacttctc480
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<210> 20

<211> 1765

<212> DNA

<213> Homo sapiens

<400> 20

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gcacacacat taagaaagca cacacactag gcttctagtt gggctaatta aaatctctat 180
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tcttgctacc tcagctgaag gatacttctc cagaaacttc caaagcacag gtattgccat 540
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<210> 21

<211> 746

<212> DNA

<213> Homo sapiens

<400> 21

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aaaaacaata taagactgtg gtaaggtaca aacgcaaatt caatttgcgt tgactaattt 480
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tgctaaatta ctaaaataat agccgc

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<210> 22

<211> 659

<212> DNA

<213> Homo sapiens

<400> 22

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tccaattcct gaaaatgaag attgctgaga agcaaagaca aatttgtgtg acccagaaat600
tactgccagc caagaggtcc ctggatgccg acctagctgt gtcctcaaatt cagttttca 659

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<210> 23

<211> 357

<212> DNA

<213> Homo sapiens

<400> 23

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cgcagtgcgc agccgtgggg ctctctcctt gtcagtgcgc gccgcgtgcg ggctggtggc 60
tctgtggcag cggcgggcggc aggactcccg cactatgagc ggcttcagca ccgaggagcg120
cgccgcgcgc ttctccctgg agtaccgagt ttctctcaaa aatgagaaaag gacaatatat180
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acagtctctt tactcagatc agctagtctt acatatgaat tttcttatat gtctctcaac300
aagtgcctaa aatgcctcgt tgtgctgtga gtaaagggtc gttgattagg ctgggagc 357

```

<210> 24

<211> 890

<212> DNA

<213> Homo sapiens

<400> 24

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cggaggcagc ggaaagccga gccaggcgcc tgcgcgtgcg gaagagtagg ttcagagtgc 60
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<210> 25

<211> 651

<212> DNA

<213> Homo sapiens

<400> 25

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cctgggtgggc ctttaactga agcttttggcc cctgcccga aggaaggtga tttgccccca480
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<210> 26

<211> 1256

<212> DNA

<213> Homo sapiens

<400> 26

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<210> 27

<211> 694

<212> DNA

<213> Homo sapiens

<400> 27

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gggagccccg tgtgtggggc ctggccatgg taccgggaca ccacatcgtt tccattgagg600
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<210> 28

<211> 1927

<212> DNA

<213> Homo sapiens

<400> 28

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gcgagtattt attttttttt tttttttttt acagaaattg acctttattt gttgtactaa 60
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tcagtacctg tctgtgcaca ctgtaccatc tcagtcccac tctgectgta acttagaaaa 180
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1927

```

<210> 29
<211> 672
<212> DNA
<213> Homo sapiens

<400> 29

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cttctgtctc tctcagagac aagtgagact caagagtcta ctgctttagt ggcaactaca 480
gaaaactggg gttaccagaa aaaacaggag caattagaaa tggttccaat atttcaaagc 540
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ctcagaggtt gc
672

```

<210> 30
<211> 269
<212> DNA
<213> Homo sapiens

<400> 30

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gagaaaaattc cagtgtcagc attcttgccg cttgtggcgc tctcctacaa tctggccagg 120
gatagcacag tcaaacctgg agccaaaaag gacagggaag agtctcgagc caaactgcgc 180
cagaccctct ccagaagttg ggggtgaacaa ctcatctgga ctcagacgta tgaagaagct 240

```

ctatataaat cgagactagc aactaacc

269

<210> 31
 <211> 604
 <212> DNA
 <213> Homo sapiens

<400> 31

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agggt

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604

<210> 32
 <211> 781
 <212> DNA
 <213> Homo sapiens

<400> 32

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aaactattca gccttctgga cgaagacaag gatggcatgg ttcagctctc tctggccgag720
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```

781

<210> 33
 <211> 304
 <212> DNA
 <213> Homo sapiens

<400> 33

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aactgaagaa gacagagacg caagagaaaa atccactgcc ttccaaagaa acgattgaac180
aggagaagca agcaggcgaa tcgtaaggag gcgtgcgccg ccaagtatgc actgagatgc240
gagaagtgtt gcgtcgaatt tacctgcttg agggggtaaa gttgggaagg tggaaaaggg300
gtgg

```

304

<210> 34
 <211> 1528
 <212> DNA
 <213> Homo sapiens

<400> 34

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atcctgcctt ctgtccctgc tcctggccgg gtttgttccg ccgggcccgg gacaagagaa 180
gtctaagaca gactgccatg gcggtatgag tggatccatc tacgagtatg gagccctcac 240
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caacgtagcc agctactgag gtctgacaga ccaatacctt gaactgaatg cactacaaga 360
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aaaaaaaaa agaaaaaaaaa aaaaaaaaaa

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<210> 35
 <211> 499
 <212> DNA
 <213> Homo sapiens

<400> 35

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agaagggcaa gaaggagaag ggcaagaaga agggaggtcc ccactgaagg gccctggaca 420
gggtcatta aaccttctc tctgcctacg agtaccaacc acctggagct aagatgctta 480
gggggggggg ggcgcgca

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<210> 36
 <211> 1396
 <212> DNA
 <213> Homo sapiens

<400> 36

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aaagcgcgag tctgagtga accctggagc acttgacagag cggctggcgc agtcatggcg 180
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```

<210> 37

<400> 37

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<210> 38

<211> 808

<212> DNA

<213> Homo sapiens

<400> 38

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<210> 39

<211> 1139

<212> DNA

<213> Homo sapiens

<400> 39

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<210> 40

<211> 2177

<212> DNA

<213> Homo sapiens

<400> 40

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<210> 41

<211> 402

<212> DNA

<213> Homo sapiens

<400> 41

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 tggagaggat atgacatgaa ataaaagatc cagcccaact ga 402

<210> 42
 <211> 1349
 <212> DNA
 <213> Homo sapiens

<400> 42

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<210> 43
 <211> 3552
 <212> DNA
 <213> Homo sapiens

<400> 43

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tacccttatt aatatttttc cacaataata tagaatatat aattacaacc tggcactgag 180
tcaccataaa ttcaatagaa cttaaaataa gcttcaaaac tgactttttc tctatcctgt 240
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tacaagcaat cctctataac cgcacggag acatcgatt catttttagt atagtttgat 540
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<210> 44
<211> 601
<212> DNA
<213> Homo sapiens

```

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<400> 44
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tctttcttct ttgctgggag catcttagat ttatatcatt ttctacaaag acaatatcct180
gaatggcagt cgcagggtta tttcaaagtt ggagtcctct caggaagtag gggagactgg240
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gccggaggag actgtctcaa catcagtaga gaactcagaa ttctgtttgt ttgcggctgg360
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gattgaattc tgtagttctt tattgattga aactaattct gacaggggga aagccacagt540
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601

```

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<210> 45
<211> 2147
<212> DNA
<213> Homo sapiens

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<400> 45
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actagaaaat aaaaaaaaaa aaaaaaaaaa ctcaagacta gttctct 2147

```

<210> 46
 <211> 623
 <212> DNA
 <213> Homo sapiens

<400> 46

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gtccggcctt gccagtgagc ttctaccatc atggacctat tgttcgggcg ccggaagacg 180
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gccaaagcaag gccagatgga tgctgttcgc atcatggcaa aagacttggt gcgcaccggg 360
cgctatgtgc gcaagtttgt attgatgcgg gccaacatcc aggctgtgtc cctcaagatc 420
cagacactca agtccaacaa ctcatgggca caagccatga aggggtgtcac caaggccatg 480
ggcaccatga acagacagct gaagttgccc cagatccaga agatcatgat ggagtttgag 540
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ccgtgggttt tggggaagtt tta

```

<210> 47
 <211> 781
 <212> DNA
 <213> Homo sapiens

<400> 47

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gcgggtatat tgcaagcttg aaaaactaaa agatctgtga aagatgctgc caagaagggc 60
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aagctgtatg catccaaagc acacatgaac tcagtgtctca tggggatgaa gaaccagctc180
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<210> 48
 <211> 1714
 <212> DNA
 <213> Homo sapiens

<400> 48

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<210> 49
 <211> 831
 <212> DNA
 <213> Homo sapiens

<400> 49

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tctggcgaaa gcaatttgcg cggcgaggag cggacgggca ggaacccaat aagctgcttc180
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<210> 50
 <211> 744
 <212> DNA
 <213> Homo sapiens

<400> 50

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gggagagcat caggaagagt agct 744

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<210> 51
 <211> 2017
 <212> DNA
 <213> Homo sapiens

<400> 51

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2017

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<210> 52
 <211> 856
 <212> DNA
 <213> Homo sapiens

<400> 52

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<210> 53
 <211> 540
 <212> DNA
 <213> Homo sapiens

<400> 53

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<210> 54
 <211> 1912
 <212> DNA
 <213> Homo sapiens

<400> 54

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```

<210> 55

<211> 1962

<212> DNA

<213> Homo sapiens

<400> 55

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gaaaaattct gccatgatat tagcaaaggt aaaggaggaa aaatttacac tgtaagaggc 180
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1962

```

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<210> 56
<211> 1458
<212> DNA
<213> Homo sapiens

<400> 56

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1458

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<210> 57
<211> 2188
<212> DNA
<213> Homo sapiens

<400> 57

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2188

<210> 58

<211> 1548

<212> DNA

<213> Homo sapiens

<400> 58

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<210> 59

<211> 1254

<212> DNA

<213> Homo sapiens

<400> 59

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<211> 954

<212> DNA

<213> Homo sapiens

<400> 63

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<210> 64

<400> 64

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<210> 65

<211> 2213

<212> DNA
<213> Homo sapiens

<400> 65

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<210> 66

<400> 66

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<210> 67

<211> 2878

<212> DNA

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<210> 68
 <211> 701
 <212> DNA
 <213> Homo sapiens

<400> 68

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<210> 69
 <211> 817
 <212> DNA

<213> Homo sapiens

<400> 69

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<210> 70

<211> 2686

<212> DNA

<213> Homo sapiens

<400> 70

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<210> 71

<400> 71

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<210> 72

<211> 922

<212> DNA

<213> Homo sapiens

<400> 72

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<210> 73

<211> 870

<212> DNA

<213> Homo sapiens

<400> 73

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<210> 74

<211> 1418

<212> DNA

<213> Homo sapiens

<400> 74

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<213> Homo sapiens

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<211> 1959

<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

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<210> 83
 <211> 2815
 <212> DNA
 <213> Homo sapiens

<400> 83

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<210> 84

<211> 3462
 <212> DNA
 <213> Homo sapiens

<400> 84

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3462

<210> 85
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 <212> DNA
 <213> Homo sapiens

<400> 85

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<210> 86
 <211> 671
 <212> DNA
 <213> Homo sapiens

<400> 86

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<210> 87
 <400> 87
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<210> 88
 <211> 1108
 <212> DNA
 <213> Homo sapiens

<400> 88

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<210> 89
 <211> 720
 <212> DNA
 <213> Homo sapiens

<400> 89

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<210> 90
 <211> 837
 <212> DNA
 <213> Homo sapiens

<400> 90

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<210> 91
 <211> 498
 <212> DNA
 <213> Homo sapiens

<400> 91

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498

<210> 92

<211> 1077

<212> DNA

<213> Homo sapiens

<400> 92

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<210> 93

<211> 1755

<212> DNA

<213> Homo sapiens

<400> 93

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<210> 94
 <211> 1545
 <212> DNA
 <213> Homo sapiens

<400> 94

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<210> 95
 <211> 1133
 <212> DNA
 <213> Homo sapiens

<400> 95

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<210> 96

<211> 791

<212> DNA

<213> Homo sapiens

<400> 96

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<210> 97

<211> 599

<212> DNA

<213> Homo sapiens

<400> 97

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<210> 98

<211> 643

<212> DNA

<213> Homo sapiens

<400> 98

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<210> 99
 <211> 860
 <212> DNA
 <213> Homo sapiens

<400> 99

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<210> 100
 <211> 1155
 <212> DNA
 <213> Homo sapiens

<400> 100

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<210> 101
 <211> 522
 <212> DNA
 <213> Homo sapiens

<400> 101

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<210> 102
 <211> 1628
 <212> DNA
 <213> Homo sapiens

<400> 102

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<210> 103
 <211> 605
 <212> DNA
 <213> Homo sapiens

<400> 103

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<210> 104
 <400> 104

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<210> 105
 <211> 2731
 <212> DNA
 <213> Homo sapiens

<400> 105

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 <212> DNA
 <213> Homo sapiens

<400> 106

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<210> 107

<211> 1812

<212> DNA

<213> Homo sapiens

<400> 107

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<210> 108
 <211> 890
 <212> DNA
 <213> Homo sapiens

<400> 108

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<210> 110
 <211> 2627
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<400> 110

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<210> 111
 <211> 976
 <212> DNA
 <213> Homo sapiens

<400> 111

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<210> 112
 <211> 1427
 <212> DNA
 <213> Homo sapiens

<400> 112

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<210> 113

<211> 2639

<212> DNA

<213> Homo sapiens

<400> 113

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<210> 114
 <211> 634
 <212> DNA
 <213> Homo sapiens

<400> 114

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ctccccgcgg cgcggttaaa tccccgcacc tgagcatcgg ctcacacctg cccccgccc 60
gggcatagca ccatgcctgc ttgtgccta ggcccgtag ccgcccct cctcctcagc120
ctgctgctgt tcggcttcac cctagtctca ggcacaggag cagagaagac tggcggtgtgc180
cccagctcc aggttgacca gaactgcacg caagagtgcg tctcggacag cgaatgcgcc240
gacaacctca agtgtgcag cgcggtgtgt gccaccttct gctctctgcc caatgataag300
gagggttctt gccccaggt gaacattaac ttccccagc tcggcctctg tcgggaccag360
tgccaggtgg acagccagtg tcctggccag atgaaatgct gccgcaatgg ctgtgggaag420
gtgtcctgtg tactcccaa tttctgagct ccagccacca ccaggctgag cagtgaggag480
agaaagtctt tgcctggccc tgcactctgt tccagccac ctgccctccc ctttttcggg540
actctgtatt cctcttggg ctgaccacag cttctccctt tcccaaccaa taaagtaacc600
actttcagca aaaaaaaaaa aaaaaaaaaa aaaa 634

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<210> 115
 <211> 719
 <212> DNA
 <213> Homo sapiens

<400> 115

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gtcgactttt tttttttttt ttaacatgg aaaagtattt ttaaaaatcg aataatccta 60
ttcaagtcaa ccagtgttaa ccccggtgtg ctctctgcca gtctgttctt ccccatggga120
gtcacacaaa atgaaaatct cctagaaaaga gaagacaaag acccgcaaaa gatgtatgcc180
accatctatg agctgaaaga agacaagagc tacaatgtca cctccgtcct gtttaggaaa240
aagaagtgtg actactggat caggactttt gttocagggt gccagcccgg cgagttcacg300
ctgggcaaca ttaagagtta ccctggatta acgagttacc tcgtccgagt ggtgagcacc360
aactacaacc agcatgctat ggtgttcttc aagaaagtth ctcaaaacag ggagtacttc420
aagatcacc tctacgggag aaccaaggag ctgacttcgg aactaaagga gaacttcac480
cgcttctcca aatctctggg cctccctgaa aaccacatcg tcttccctgt cccaatcgac540
cagtgtatcg acggctgagt gcacaggtgc cgccagctgc cgcaccagcc cgaacaccat600
tgagggagct gggagaccct cccacagtg ccacccatgc agtggtccc caggccaccc660
cgctgatgga gccccacctt gtctgctaaa taaacatgtg ccctcaaaaa aaaaaaaaaa 719

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<210> 116
 <211> 494
 <212> DNA
 <213> Homo sapiens

<400> 116

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gtcgataacg ccagacgcaa gacgccgggc ctacagcggg agcgtgagga aagccgtgcg 60
ttgcgttcca aggcattctg gagcccgcg agtatacacc atgagcaaaag ctcacctcc120
cgagttgaaa aaatttatgg acaagaagtt atcattgaaa ttaaattggtg gcagacatgt180
ccaaggaata ttgcggggat ttgatccctt tatgaacctt gtgatagatg aatgtgtgga240

```

```

gatggcgact agtggacaac agaacaatat tggaatgggtg gtaatacgag gaaatagtat300
catcatgtta gaagccttgg aacgagtata aataatggct gttcagcaga gaaacccatg360
tcctctctcc atagggcctg ttttactatg atgtaaaaat taggtcatgt acattttcat420
attagacttt ttgttaaata aacttttgta atagtcaaaa aaaagtttgg tctcatctac480
cttataatat ctgc
494

```

<210> 117
 <211> 1065
 <212> DNA
 <213> Homo sapiens

<400> 117

```

acgcggctga ctacgctcaa agctccattg ttagatcctt tctgtcctcc ttctgggctc 60
ctccttcctc cccacccctc taataggctc ataagtgggc tcaggcctct ctgcggggct 120
cactctgcgc ttcaccatgg ctttcattgc caagtccttc tatgacctca gtgccatcag 180
cctggatggg gagaaggtag atttcaatac gttccggggc agggccgtgc tgattgagaa 240
tgtggcttcg ctctgaggca caaccacccg ggacttcacc cagctcaacg agctgcaatg 300
ccgctttccc aggcgcctgg tggctccttg cttcccttgc aaccaatttg gacatcagga 360
gaactgtcag aatgaggaga tcctgaacag tctcaagtat gtccgtcctg ggggtggata 420
ccagcccacc ttcacccttg tccaaaaatg tgaggatgaat gggcagaacg agcatcctgt 480
cttcgcctac ctgaaggaca agctccccta cccttatgat gacccatttt ccctcatgac 540
cgatcccaag ctcatcattt ggagccctgt gcgccgtca gatgtggcct ggaactttga 600
gaagtctctc atagggccgg agggagagcc cttccgacgc tacagccgca ccttcccaac 660
catcaacatt gagcctgaca tcaagcgctt ccttaaagtt gccatataga tgtgaactgc 720
tcaacacaca gatctcctac tccatccagt cctgaggagc cttaggatgc agcatgcctt 780
caggagacac tgctggacct cagcattccc ttgatatcag tccccttcac tgcagagcct 840
tgctttccc ctctgctgt ttcttttccc tctcccaacc ctctggttgg tgattcaact 900
tgggctccaa gacttgggtg agctctgggc cttcacagaa tgatggcacc ttcctaaacc 960
ctcatgggtg gtgtctgaga ggcgtgaagg gcctggagcc actctgctag aagagaccaal1020
taaagggcag gtgtggaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa 1065

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<210> 118
 <400> 118
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<210> 119
 <400> 119
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<210> 120
 <211> 648
 <212> DNA
 <213> Homo sapiens

<400> 120

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ggactgcggg cgtagtctc cggcgagttg ttgcctgggc tggacgtggg tttgtctgct 60
gcgcccgctc ttgcgctct cgtttcattt tctgcagcgc gccagcagga tggcccaaal120
gcagatctac tactcggaca agtacttcca cgaacactac gaggaccggc atgttatgtt180
acccagagaa ctttccaaac aagtacctaa aactcatctg atgtctgaag aggagtggag240
gagacttggg gtccaacaga gtctaggctg ggttcattac atgattcatg agccagaacc300
acatattctt ctcttttagac gacctcttcc aaaagatcaa caaaaatgaa gtttatctgg360
ggatcgtcaa atctttttca aatttaagt atagtgtat ataaggtagt attcagtgaal420
tacttgagaa atgtacaaat ctttcatcca tacctgtgca tgagctgtat tcttcacagc480
aacagagctc agttaaatgc aactgcaagt aggttactgt aagatgttta agataaaaagt540
tcttccagtc agtttttctc ttaagtgcct gtttgagttt actgaaacag tttacttttg600
ttcaataaag tttgtatgtt gcatttaaaa aaaaaaaaaa aaagtcga 648

```

<210> 121
 <211> 1842
 <212> DNA
 <213> Homo sapiens

<400> 121

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ctcgagccgc tcgagccgct gctctctgga gggggtagag atcaaaggcg gctccttccg 60
acttctccaa gagggccagg cactggagta cgtgtgtcct tctggcttct acccgtaccc 120
tgtgcagaca cgtacctgca gatctacggg gtcctggagc accctgaaga ctcaagacca 180
aaagactgtc aggaaggcag agtgcagagc aatccactgt ccaagaccac acgacttcga 240
gaacggggaa tactggcccc ggtctcccta ctacaatgtg agtgatgaga tctctttcca 300
ctgctatgac gggttactct tccggggctc tgccaatcgc acctgccaa gtaatggccg 360
gtggagtggg cagacagcga tctgtgacaa cggagcgggg tactgtctca acccgggcat 420
ccccattggc acaagggaagg tgggcagcca gtaccgcctt gaagacagcg tcacctacca 480
ctgcagccgg gggcttaccc tgcgtggctc ccagcggcga acgtgtcagg aaggtggctc 540
ttggagcggg acggagcctt cctgccaaaga ctcttcatg tacgacaccc ctcaagaggt 600
ggccgaagct ttctgtctt ccctgacaga gaccatagaa ggagtcgatg ctgaggatgg 660
gcacggcccc ggggaacaac agaagcggaa gatcgtcctg gaccttcag gctccatgaa 720
catctactcg gtgctagatg gatcagacag cattggggcc agcaacttca caggagccaa 780
aaagtgtcta gtcaacttaa ttgagaaggt ggcaagtatt ggtgtgaagc caagatatgg 840
tctagtgaca tatgccacat accccaaaat ttgggtcaaa gtgtctgaag cagacagcag 900
taatgcagac tgggtcacga agcagctcaa tgaaatcaat tatgaagacc acaagttgaa 960
gtcagggact aacaccaaga aggcctcca ggcagtgtac agcatgatga gctggccaga1020
tgacgtccct cctgaagggt ggaaccgcac ccgccatgtc atcatcctca tgactgatgg1080
attgcacaac atgggcgggg acccaattac tgtcattgat gagatccggg acttgctata1140
cattggcaag gatcgcaaaa acccaaggga ggattatctg gatgtctatg tgtttgggg1200
cgggcctttg gtgaaccaag tgaacatcaa tgctttggct tccaagaaag acaatgagca1260
acatgtgttc aaagtcaagg atatggaaaa cctggaagat gttttctacc aaatgatcga1320
tgaaagccag tctctgagtc tctgtggcat ggtttgggaa cacaggaagg gtaccgatta1380
ccacaagcaa ccatggcagg ccaagatctc agtcattcgc cttcaaagg gacacgagag1440
ctgtatgggg gctgtggtgt ctgagtactt tgtgctgaca gcagcacatt gtttactgt1500
agaagtatgc ctatttcacc ccaactacaa cattaatggg gagaagcggg acctggagat1560
tgaaatttat gactatgacg ttgcctgat caagctcaag aaaaaagaag caggaattcc1620
gactatcagg cccatttgtc tcccctgcac cgaggggaaca aataagctga aatatggcca1680
tccaactacc acttgccagc aacaaaagga agagctgctc actcgagctt tgaggcttcc1740
gctgtgtttg tccgggggga gaaaaaaacc gcccgggggg gg agcaaagaaa1800

```

<210> 122

<211> 1596

<212> DNA

<213> Homo sapiens

<400> 122

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ggcgggtata aaagccccac ccaggccagc cggctctgct cagcatttgg ggacgtcttc 60
agctctcggc gcacggccca gcttccctca aaatgtctac tgttcacgaa atcctgtgca 120
agctcagctt ggagggtgat cactctacac cccaagtgc atatgggtct gtcaaagcct 180
atactaactt tgatgctgag cgggatgctt tgaacattga aacagccatc aagaccaaa 240
gtgtggatga ggtcaccatt gtcaacattt tgaccaaccg cagcaatgca cagagacagg 300
atattgcctt cgctaccag agaaggacca aaaaggaaact tgcacagca ctgaagtcag 360
ccttatcttg ccacctggag acggtgattt tgggcctatt gaagacacct gctcagtatg 420
acgcttctga gctaaaagct tccatgaagg ggctgggaac cgacgaggac tctctcattg 480
agatcatctg ctccagaacc aaccaggagc tgcaggaaat taacagagtc tacaaggaaa 540
tgtacaagac tgatctggag aaggacatta ttcggacac atctgggtgac ttccgcaagc 600
tgatggttgc cctggcaaag ggtagaagag cagaggatgg ctctgtcatt gattatgaac 660
tgattgacca agatgctcgg gatctctatg acgtggagt gaagaggaaa ggaactgatg 720
ttcccaagtg gatcagcatc atgaccgagc ggagggggccc cacctccaga aagtatttga 780
taggtacaag agttacagcc cttatgacat gttggaaagc atcaggaaaag aggttaaagg 840
agacctggaa aatgctttcc tgaacctggt tcagtgcat cagaacaagc ccctgtattt 900
tgctgatcgg ctgtatgact ccatgaaggg caaggggacg cgagataagg tctgtatcag 960
aatcatgggt tcccgagtg aagtggacat gttgaaaatt aggtctgaat tcaagagaaa1020
gtacggcaag tccctgtact attatatcca gcaagacact aagggcgact accagaaagc1080
gctgtgttac ctgtgtggtg gagatgactg aagcccagca cggcctgagc gtccagaaat1140
ggtgtcacc atgcttccag ctaacaggtc tagaaaacca gcttgcgaa aacagtcccc1200
gtggccatcc ctgtgagggg gacgttagca ttaccccaaa cctcatttta gttgcctaag1260

```

```

cattgcctgg ccttcctgtc tagtctctcc tgtgaagccaa agaaatgaac attccaaggal320
gttggaagtg aagtctatga tgtgaaacac tttgcctcct gtgtactgtg tcataaacag1380
atgaataaac tgaatttgtg ctttagaaac acgtactttg tggccctgct ttcaactgaal440
ttgtttgaaa attaaacgtg cttgggggtc agctgggtgag gctgtccctg taggaagaaa1500
gctctgggac tgagctgtac agtatggtg cccctatcca agtgtcgcta ttttaagttaa1560
atttaaataa aataaaaataa aataaaaatca aaaaaa 1596

```

<210> 123
 <211> 1033
 <212> DNA
 <213> Homo sapiens

<400> 123

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gtgcgcagctg accctcgtc cgcggccgc ctggagtcg acgtggaagt tgctggctga 60
ctgggcttgc gaggaaccg cctcggagct gcagccgaag gcaaggaatc actgaagatc 120
ggcgaggggag gacaggggt tcatcatggg tggctttttc tcaagtatat tttccagtct 180
gtttggaact cgggaaatga gaattttaat tttgggatta gatggagcag gaaaaaccac 240
aattttgtac agattacaag tgggagaagt tgttactact atacctacca ttggatttaa 300
tgtagagacg gtgacgtaca aaaaccttaa attccaagtc tgggatttag gaggacagac 360
aagtatcagg ccatactgga gatgttacta ttcaaacaca gatgcagtca tttatgtagt 420
agacagttgt gaccgagacc gaattggcat ttccaaatca gagttagttg ccatgttgga 480
ggaagaagag ctgagaaaag ccatttttagt ggtgtttgca aataaacagg acatggaaca 540
ggccatgact tcctcagaga tggcaaattc acttgggtta cctgccttga aggaccgaaa 600
atggcgagata ttcaaaacgt cagcaaccac aggcaccggc cttgatgagg caatggaatg 660
gttagttgaa acattaaaaa gcagacagta attcagtcca ttcttctccc ctgaaatgaa 720
gactacatca cctctctccc tttggaaca gtcaagtgtg cttcacacta ctagatgtta 780
aaactatatg attattggca tatactgact gactgcaata tttgtagtaa atagggaaaa 840
taagtattta gttggaggga taatttgatc gaatcacctg aatgttctat gtaatgtaaa 900
atattctttt cttgctttct tgtgttaagg tatatatctt atttgtatgg aattcttatt 960
caaatacagt tctattaaag agtatactcc tattggatga aaaaaaccta aaaaaaaaaa1020
aaaaaaaaaa aaa 1033

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<210> 124
 <211> 65
 <212> PRT
 <213> Homo sapiens

<400> 124

Ile	Cys	Leu	Leu	Val	His	Phe	Val	Ser	Arg	Ala	Lys	Thr	Val	Asn	Leu
1				5					10					15	
Thr	Phe	Ser	Tyr	Trp	Trp	Val	Ile	Thr	Glu	Asn	Lys	Asp	Leu	Phe	Ser
			20					25					30		
Cys	Ser	Leu	Leu	Lys	Ser	His	Lys	Asn	Asn	Gln	Ile	Gly	Ser	Cys	Leu
		35					40					45			
Leu	Ser	Cys	Val	Ser	Trp	Phe	Leu	Thr	Cys	Val	His	Thr	Pro	Val	Cys
	50					55					60				
Leu															
65															

<210> 125
 <211> 64
 <212> PRT
 <213> Homo sapiens

<400> 125

Ile	Ser	Val	Phe	Arg	Leu	Phe	Lys	Tyr	Leu	Thr	His	Phe	Gln	Thr	Cys
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

1					5					10					15		
Thr	Met	Phe	Tyr	Lys	Pro	Leu	Asp	Phe	Gln	Gln	His	Thr	Ile	Glu	Asn		
			20					25					30				
Thr	Cys	Tyr	Ser	Lys	His	Asn	Phe	Ser	Val	Ser	Ser	Ile	Ala	Val	Val		
		35					40					45					
Arg	Asp	Asn	Ile	Ala	Ile	Ser	Gly	Met	Leu	Gln	Ala	Phe	Lys	Ile	Ala		
	50					55					60						

<210> 126
 <211> 61
 <212> PRT
 <213> Homo sapiens

<400> 126

Lys	Ala	Asn	Leu	Leu	Pro	Ala	Thr	Pro	Glu	Gly	Thr	Gln	Ile	Trp	Val		
1				5					10					15			
Gly	Pro	Val	Phe	Gln	Leu	Gly	Lys	Arg	Met	Gly	Lys	Pro	Gly	Asp	Gly		
			20					25					30				
Phe	His	Lys	Phe	Ser	Ser	Gly	Leu	Trp	His	Ser	Phe	Gln	Glu	Ile	Pro		
		35					40					45					
Leu	Gly	Lys	Gly	Leu	Leu	Ala	Asn	Met	His	Phe	Gln	Thr					
	50					55					60						

<210> 127
 <211> 82
 <212> PRT
 <213> Homo sapiens

<400> 127

Leu	Lys	Asn	Thr	Asn	Glu	Val	Lys	Ala	Leu	Asn	Trp	Tyr	Thr	Leu	Phe		
1				5					10					15			
Thr	Pro	Ile	Phe	Gln	Val	Trp	Lys	Cys	Ile	Phe	Ala	Ser	Arg	Pro	Leu		
			20					25					30				
Pro	Arg	Gly	Ile	Ser	Trp	Lys	Glu	Cys	His	Asn	Pro	Leu	Glu	Asn	Leu		
		35					40					45					
Trp	Lys	Pro	Ser	Pro	Gly	Phe	Pro	Ile	Arg	Leu	Pro	Ser	Trp	Lys	Thr		
	50					55					60						
Gly	Pro	Thr	His	Ile	Trp	Val	Pro	Ser	Gly	Val	Ala	Gly	Arg	Arg	Phe		
	65				70					75					80		
Ala	Phe																

<210> 128
 <211> 90
 <212> PRT
 <213> Homo sapiens

<400> 128

His	Thr	Trp	Asp	Pro	Tyr	Pro	Leu	Gly	Ile	Ser	Pro	Arg	Thr	Ile	Arg		
1				5					10					15			

Pro	Val	Cys	Gln 20	Pro	Lys	Val	Ala	Phe 25	Gly	Met	Leu	Asn	Phe 30	Pro	Leu
Ser	Lys	Lys 35	Val	His	Leu	Pro	Asn 40	Glu	Val	Thr	Ile	Arg 45	Leu	Asn	Pro
Lys	Lys 50	Ser	Leu	Asp	Phe	Val 55	Phe	Tyr	Lys	Asn	Ser 60	Thr	Phe	Pro	Ile
Lys 65	Ser	Leu	Val	Ile	Lys 70	Ile	Ser	Thr	Leu	Pro 75	Lys	Cys	Asp	Ser	Thr 80
Ala	Trp	Phe	Leu	Ala 85	Asn	Lys	Asn	Pro	Ile 90						

<210> 129

<211> 82

<212> PRT

<213> Homo sapiens

<400> 129

Met 1	Val	Ala	Asp	Tyr 5	Gly	Cys	Thr	Ile	Leu 10	Ile	Leu	Gly	Pro	Phe 15	Thr
His	Arg	Asn	His 20	Thr	Lys	Trp	Pro	Asp 25	Thr	Tyr	Phe	Thr	Glu 30	Gln	Phe
Lys	Tyr	Tyr 35	Thr	Leu	Ala	Lys	Ser 40	Thr	Tyr	Ser	Thr	His 45	Pro	Gly	Glu
Gly	Gly 50	Glu	Lys	Thr	His	Thr 55	Tyr	Lys	Thr	Thr	Ser 60	Leu	Asp	Thr	Met
Cys 65	Leu	Pro	Thr	Ile	Ser 70	Ser	Leu	Asn	Asn	Phe 75	His	Gln	Leu	Arg	Cys 80
Leu	Val														

<210> 130

<211> 70

<212> PRT

<213> Homo sapiens

<400> 130

Arg 1	Asn	Leu	Val	Thr 5	Gln	Met	Lys	Ser	Gly 10	Ile	Glu	Asp	Pro	Trp 15	Thr
Trp	Gln	Val	Asn 20	Ala	Asp	Tyr	Ser	Leu 25	Ala	Phe	Pro	Leu	Tyr 30	Leu	Cys
Lys	Glu	Gly 35	Tyr	Thr	Glu	Leu	Ile 40	Leu	Phe	Gln	Ala	Tyr 45	Asn	Phe	Lys
Phe	Tyr 50	His	Leu	Asn	Ser	Ser 55	Thr	Phe	Ala	Ala	Glu 60	Glu	Trp	Asn	Gln
Lys 65	Asn	Val	Val	Ser	Trp 70										

<210> 131

<211> 60
 <212> PRT
 <213> Homo sapiens

<400> 131

Ala 1	Ile	Gln	Cys	Glu 5	Ala	Tyr	Phe	Ile	Ala 10	Thr	Leu	Val	Asp	Cys 15	Gln
Gly	Asp	Ser	Ala 20	Thr	Val	Leu	Asp	Lys 25	Leu	Met	Phe	Pro	Phe 30	Ser	Leu
Ala	Ala	Asn 35	Arg	Arg	Ala	Thr	Tyr 40	Ser	Ala	Gly	Ser	Arg 45	Ala	Arg	Ser
Trp	Gly 50	Ser	Arg	Gly	Tyr	Thr 55	Ser	Ser	Leu	Ile	Ile 60				

<210> 132
 <211> 181
 <212> PRT
 <213> Homo sapiens

<400> 132

Ile 1	Pro	Asn	Met	Ala 5	Ala	Pro	Leu	Gly	Gly 10	Met	Phe	Ser	Gly	Gln 15	Pro
Pro	Gly	Pro	Pro 20	Gln	Ala	Pro	Pro	Gly 25	Leu	Pro	Gly	Gln	Ala 30	Ser	Leu
Leu	Gln	Ala 35	Ala	Pro	Gly	Ala	Pro 40	Arg	Pro	Ser	Ser	Ser 45	Thr	Leu	Val
Asp	Glu 50	Leu	Glu	Ser	Ser	Phe 55	Glu	Ala	Cys	Phe	Ala 60	Ser	Leu	Val	Ser
Gln 65	Asp	Tyr	Val	Asn	Gly 70	Thr	Asp	Gln	Glu	Glu 75	Ile	Arg	Thr	Gly	Val 80
Asp	Gln	Cys	Ile	Gln 85	Lys	Phe	Leu	Asp	Ile 90	Ala	Arg	Gln	Thr	Glu 95	Cys
Phe	Phe	Leu	Gln 100	Lys	Arg	Leu	Gln	Leu 105	Ser	Val	Gln	Lys	Pro 110	Glu	Gln
Val	Ile	Lys 115	Glu	Asp	Val	Ser	Glu 120	Leu	Arg	Asn	Glu	Leu 125	Gln	Arg	Lys
Asp	Ala 130	Leu	Val	Gln	Lys	His 135	Leu	Thr	Lys	Leu	Arg 140	His	Trp	Gln	Gln
Val 145	Leu	Glu	Asp	Ile	Asn 150	Val	Gln	His	Lys	Lys 155	Pro	Ala	Asp	Ile	Pro 160
Gln	Gly	Ser	Leu	Ala 165	Tyr	Leu	Glu	Gln	Ala 170	Ser	Ala	Asn	Ile	Pro 175	Ala
Pro	Leu	Lys	Pro 180	Thr											

<210> 133
 <211> 423

<400> 133

Leu 1	Ser	Glu	Asp	Glu 5	Ile	Arg	Thr	Leu	Lys 10	Gln	Lys	Lys	Ile	Asp 15	Glu
Thr	Ser	Glu	Gln 20	Glu	Gln	Lys	His	Lys 25	Glu	Thr	Asn	Asn	Ser 30	Asn	Ala
Gln	Asn	Pro 35	Ser	Glu	Glu	Glu	Gly 40	Glu	Gly	Gln	Asp	Glu 45	Asp	Ile	Leu
Pro	Leu 50	Thr	Leu	Glu	Glu	Lys 55	Glu	Asn	Lys	Glu	Tyr 60	Leu	Lys	Ser	Leu
Phe 65	Glu	Ile	Leu	Ile	Leu 70	Met	Gly	Lys	Gln	Asn 75	Ile	Pro	Leu	Asp	Gly 80
His	Glu	Ala	Asp	Glu 85	Ile	Pro	Glu	Gly	Leu 90	Phe	Thr	Pro	Asp	Asn 95	Phe
Gln	Ala	Leu	Leu 100	Glu	Cys	Arg	Ile	Asn 105	Ser	Gly	Glu	Glu	Val 110	Leu	Arg
Lys	Arg	Phe 115	Glu	Thr	Thr	Ala	Val 120	Asn	Thr	Leu	Phe	Cys 125	Ser	Lys	Thr
Gln	Gln 130	Arg	Gln	Met	Leu	Glu 135	Ile	Cys	Glu	Ser	Cys 140	Ile	Arg	Glu	Glu
Thr 145	Leu	Arg	Glu	Val	Arg 150	Asp	Ser	His	Phe	Phe 155	Ser	Ile	Ile	Thr	Asp 160
Asp	Val	Val	Asp	Ile 165	Ala	Gly	Glu	Glu	His 170	Leu	Pro	Val	Leu	Val 175	Arg
Phe	Val	Asp	Glu 180	Ser	His	Asn	Leu	Arg 185	Glu	Glu	Phe	Ile	Gly 190	Phe	Leu
Pro	Tyr	Glu 195	Ala	Asp	Ala	Glu	Ile 200	Leu	Ala	Val	Lys	Phe 205	His	Thr	Met
Ile	Thr 210	Glu	Lys	Trp	Gly	Leu 215	Asn	Met	Glu	Tyr	Cys 220	Arg	Gly	Gln	Ala
Tyr 225	Ile	Val	Ser	Ser	Gly 230	Phe	Ser	Ser	Lys	Met 235	Lys	Val	Val	Ala	Ser 240
Arg	Leu	Leu	Glu	Lys 245	Tyr	Pro	Gln	Ala	Ile 250	Tyr	Thr	Leu	Cys	Ser 255	Ser
Cys	Ala	Leu	Asn 260	Met	Trp	Leu	Ala	Lys 265	Ser	Val	Pro	Val	Met 270	Gly	Val
Ser	Val	Ala 275	Leu	Gly	Thr	Ile	Glu 280	Glu	Val	Cys	Ser	Phe 285	Phe	His	Arg
Ser	Pro 290	Gln	Leu	Leu	Leu	Glu 295	Leu	Asp	Asn	Val	Ile 300	Ala	Val	Leu	Phe
Gln	Asn	Ser	Lys	Glu	Arg	Gly	Lys	Glu	Leu	Lys	Glu	Ile	Cys	His	Ser

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<210> 134
<211> 237
<212> PRT
<213> Homo sapiens

<400> 134
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Val 1	Glu	Asn	Ile	Glu 5	Val	Tyr	His	Glu	Phe 10	Trp	Phe	Glu	Glu	Ala 15	Thr
Asn	Leu	Ala	Thr 20	Lys	Leu	Asp	Ile	Gln 25	Met	Lys	Leu	Pro	Gly 30	Lys	Phe
Arg	Arg	Ala 35	His	Gln	Gly	Asn	Leu 40	Glu	Ser	Gln	Leu	Thr 45	Ser	Glu	Ser
Tyr	Tyr 50	Lys	Glu	Thr	Leu	Ser 55	Val	Pro	Thr	Val	Glu 60	His	Ile	Ile	Gln
Glu 65	Leu	Lys	Asp	Ile	Phe 70	Ser	Glu	Gln	His	Leu 75	Lys	Ala	Leu	Lys	Cys 80
Leu	Ser	Leu	Val	Pro 85	Ser	Val	Met	Gly	Gln 90	Leu	Lys	Phe	Asn	Thr 95	Ser
Glu	Glu	His	His 100	Ala	Asp	Met	Tyr	Arg 105	Ser	Asp	Leu	Pro	Asn 110	Pro	Asp
Thr	Leu	Ser 115	Ala	Glu	Leu	His	Cys 120	Trp	Arg	Ile	Lys	Trp 125	Lys	His	Arg
Gly	Lys 130	Asp	Ile	Glu	Leu	Pro 135	Ser	Thr	Ile	Tyr	Glu 140	Ala	Leu	His	Leu
Pro 145	Asp	Ile	Lys	Phe	Phe 150	Pro	Asn	Val	Tyr	Ala 155	Leu	Leu	Lys	Val	Leu 160
Cys	Ile	Leu	Pro	Val 165	Met	Lys	Val	Glu	Asn 170	Glu	Arg	Tyr	Glu	Asn 175	Gly

Arg	Lys	Arg	Leu 180	Lys	Ala	Tyr	Leu	Arg 185	Asn	Thr	Leu	Thr	Asp 190	Gln	Arg
Ser	Ser	Asn 195	Leu	Ala	Leu	Leu	Asn 200	Ile	Asn	Phe	Asp	Ile 205	Lys	His	Asp
Leu	Asp 210	Leu	Met	Val	Asp	Thr 215	Tyr	Ile	Lys	Leu	Tyr 220	Thr	Ser	Lys	Ser
Glu 225	Leu	Pro	Thr	Asp	Asn 230	Ser	Glu	Thr	Val	Glu 235	Asn	Thr			

<210> 135
 <211> 89
 <212> PRT
 <213> Homo sapiens

<400> 135

Arg 1	Ile	Arg	Ile	Asn 5	Gly	Ser	Leu	Cys	Pro 10	Gln	Thr	Lys	Asn	Asn 15	Leu
Tyr	Phe	His	Ile 20	Val	Glu	Leu	Ser	Ile 25	Ser	Gly	Ala	Ser	Val 30	Gly	Glu
Arg	Trp	Tyr 35	Gly	Met	Gly	Glu	Ser 40	Ile	Leu	Pro	Ala	Arg 45	Gly	Glu	Ser
Gln	Gly 50	Leu	Leu	Cys	Leu	Tyr 55	Phe	Tyr	Lys	Glu	Ile 60	Leu	Pro	Leu	Phe
Leu 65	Val	Asn	Lys	Leu	Arg 70	Gly	Thr	Asp	Val	Gly 75	Leu	Glu	Gln	Gly	Leu 80
Ser	Gly	Gly	Glu	Gly 85	Ser	Trp	Thr	Ala							

<210> 136
 <211> 82
 <212> PRT
 <213> Homo sapiens

<400> 136

Glu 1	Glu	Glu	Arg	Ala 5	Lys	Arg	Glu	Glu	Leu 10	Glu	Arg	Ile	Leu	Glu 15	Glu
Asn	Asn	Arg	Lys 20	Ile	Ala	Glu	Ala	Gln 25	Ala	Lys	Leu	Ala	Glu 30	Glu	Gln
Leu	Arg	Ile 35	Val	Glu	Glu	Gln	Arg 40	Lys	Ile	His	Glu	Glu 45	Arg	Met	Lys
Leu 50	Glu	Gln	Glu	Arg	Gln	Arg 55	Gln	Gln	Lys	Glu	Glu 60	Gln	Lys	Ile	Ile
Leu 65	Gly	Lys	Gly	Lys	Ser 70	Arg	Pro	Lys	Leu	Ser 75	Phe	Ser	Leu	Lys	Thr 80
Gln	Asp														

<210> 137
 <211> 71

<212> PRT

<213> Homo sapiens

<400> 137

Ser	Ala	Leu	Lys	Val	Glu	Tyr	Leu	Leu	Ser	Cys	Pro	Val	Ser	Cys	Arg
1				5					10					15	
Val	Cys	Ser	Ser	Ala	Ala	Ile	Arg	Ala	Ser	Phe	Leu	Phe	Lys	Met	Ile
			20					25					30		
Cys	Thr	Val	Ser	Leu	Ala	Ile	Pro	Ala	Ser	Ala	Ala	Gln	Pro	Phe	Ile
		35					40					45			
Lys	Lys	Gln	His	Thr	Arg	Lys	Ala	Glu	Leu	Arg	Asn	Ala	Asp	Val	Tyr
	50					55					60				
Gly	Lys	Lys	Glu	Gln	Lys	Met									
65					70										

<210> 138

<211> 67

<212> PRT

<213> Homo sapiens

<400> 138

Ser	Ser	Ala	Gln	Arg	Lys	Tyr	Phe	Asn	Leu	Pro	Val	Glu	Ile	Leu	Val
1				5					10					15	
Met	Glu	Arg	Cys	Gln	Thr	Val	Leu	Asn	Gly	Arg	Thr	Ser	Lys	Ser	Glu
			20					25					30		
Ala	Thr	Val	Pro	Thr	Thr	Arg	Gly	Leu	Leu	Tyr	Cys	Ser	Thr	Phe	Ser
		35					40					45			
Ala	Leu	Tyr	Phe	Leu	Ala	Glu	Ala	Ser	Pro	Trp	Ser	Ala	Met	Tyr	Lys
	50					55					60				
Leu	Gly	Tyr													
65															

<210> 139

<211> 49

<212> PRT

<213> Homo sapiens

<400> 139

Arg	Ala	Glu	Lys	Val	Glu	Gln	Tyr	Lys	Ser	Pro	Arg	Val	Val	Gly	Thr
1				5					10					15	
Val	Ala	Ser	Leu	Leu	Leu	Val	Leu	Pro	Phe	Lys	Thr	Val	Trp	His	Leu
			20					25					30		
Ser	Met	Thr	Arg	Ile	Ser	Thr	Gly	Arg	Leu	Lys	Tyr	Phe	Leu	Cys	Ala
		35					40					45			
Glu															

<210> 140

<211> 132

<212> PRT

<213> Homo sapiens

<400> 140

Ser 1	Cys	Glu	Arg	Arg 5	Gly	Phe	Ile	Met	Ala 10	Asp	Asp	Leu	Lys	Arg 15	Phe
Leu	Tyr	Lys	Lys 20	Leu	Pro	Ser	Val	Glu 25	Gly	Leu	His	Ala	Ile 30	Val	Val
Ser	Asp	Arg 35	Asp	Gly	Val	Pro	Val 40	Ile	Lys	Val	Ala	Asn 45	Asp	Asn	Ala
Pro	Glu 50	His	Ala	Leu	Arg	Pro 55	Gly	Phe	Leu	Ser	Thr 60	Phe	Ala	Leu	Ala
Thr 65	Asp	Gln	Gly	Ser	Lys 70	Leu	Gly	Leu	Ser	Lys 75	Asn	Lys	Ser	Ile	Ile 80
Cys	Tyr	Tyr	Asn	Thr 85	Tyr	Gln	Val	Val	Gln 90	Phe	Asn	Arg	Leu	Pro 95	Leu
Val	Val	Ser	Phe 100	Ile	Ala	Ser	Ser	Ser 105	Ala	Asn	Thr	Gly	Leu 110	Ile	Val
Ser	Leu	Glu 115	Lys	Glu	Leu	Ala	Pro 120	Leu	Phe	Glu	Glu	Leu 125	Arg	Gln	Val
Val	Glu 130	Val	Ser												

<210> 141

<211> 126

<212> PRT

<213> Homo sapiens

<400> 141

Gln 1	Met	Ile	Leu	Leu 5	Phe	Leu	Glu	Ser	Pro 10	Ser	Leu	Leu	Pro	Trp 15	Ser
Val	Ala	Arg	Ala 20	Lys	Val	Asp	Lys	Lys 25	Pro	Gly	Arg	Lys	Ala 30	Cys	Ser
Gly	Ala	Leu 35	Ser	Phe	Ala	Thr	Leu 40	Ile	Thr	Gly	Thr	Pro 45	Ser	Leu	Ser
Asp	Thr 50	Thr	Met	Ala	Trp	Ser 55	Pro	Ser	Thr	Leu	Gly 60	Asn	Phe	Leu	Tyr
Lys 65	Asn	Arg	Phe	Arg	Ser 70	Ser	Ala	Met	Met	Asn 75	Pro	Leu	Leu	Ser	Gln 80
Asp	Gln	Ser	Pro	Arg 85	Leu	Gly	Phe	Leu	Gly 90	Cys	Leu	Val	Leu	Ser 95	Ala
Val	Thr	Ser	Gly 100	Thr	Ala	Leu	Lys	Thr 105	Gly	Ser	Ser	Ser	Ser 110	His	Arg
His	Met	Ile 115	His	Asp	Leu	Val	Cys 120	Ala	Pro	Gly	Ser	Thr 125	Phe		

<210> 142

<211> 142
 <212> PRT
 <213> Homo sapiens

<400> 142

Ser 1	Ala	Val	Lys	Arg 5	Gly	Trp	Asp	Leu	Asn 10	Met	Ala	Ala	Val	Val 15	Ala
Ala	Thr	Ala	Leu 20	Lys	Gly	Arg	Gly	Ala 25	Arg	Asn	Ala	Arg	Val 30	Leu	Arg
Gly	Ile	Leu 35	Ala	Gly	Ala	Thr	Ala 40	Asn	Lys	Ala	Ser	His 45	Asn	Arg	Thr
Arg	Ala 50	Leu	Gln	Ser	His	Ser 55	Ser	Pro	Glu	Gly	Lys 60	Glu	Glu	Pro	Glu
Pro 65	Leu	Ser	Pro	Glu	Leu 70	Glu	Tyr	Ile	Pro	Arg 75	Lys	Arg	Gly	Lys	Asn 80
Pro	Met	Lys	Ala	Val 85	Gly	Leu	Ala	Trp	Ala 90	Ile	Gly	Phe	Pro	Cys 95	Gly
Ile	Leu	Leu	Phe 100	Ile	Leu	Thr	Lys	Arg 105	Glu	Val	Asp	Lys	Asp 110	Arg	Val
Lys	Gln	Met 115	Lys	Ala	Arg	Gln	Asn 120	Met	Arg	Leu	Ser	Asn 125	Thr	Gly	Glu
Tyr	Glu 130	Ser	Gln	Arg	Phe	Arg 135	Ala	Ser	Ser	Gln	Ser 140	Ala	Pro	Ser	Pro
Asp 145	Val	Gly	Ser	Gly	Val 150	Gln	Thr								

<210> 143
 <211> 114
 <212> PRT
 <213> Homo sapiens

<400> 143

Glu 1	Gly	Arg	Ser	Ala 5	Pro	Gln	Val	Cys	Thr 10	Pro	Asp	Pro	Thr	Ser 15	Gly
Asp	Gly	Ala	Leu 20	Trp	Glu	Glu	Ala	Leu 25	Asn	Leu	Trp	Leu	Ser 30	Tyr	Ser
Pro	Val	Leu 35	Asp	Asn	Arg	Met	Phe 40	Cys	Arg	Ala	Phe	Ile 45	Cys	Phe	Thr
Arg	Ser 50	Leu	Ser	Thr	Ser	Arg 55	Leu	Val	Arg	Met	Lys 60	Arg	Arg	Ile	Pro
Gln 65	Gly	Lys	Pro	Met	Ala 70	Gln	Ala	Ser	Pro	Thr 75	Ala	Phe	Met	Gly	Phe 80
Leu	Pro	Leu	Phe	Leu 85	Gly	Met	Tyr	Ser	Ser 90	Ser	Gly	Asp	Arg	Gly 95	Ser
Gly	Ser	Ser	Leu 100	Pro	Ser	Gly	Glu	Leu 105	Trp	Leu	Cys	Arg	Ala 110	Arg	Val

Leu Leu

<210> 144

<211> 267

<212> PRT

<213> Homo sapiens

<400> 144

Glu 1	Asp	Glu	Val	Glu 5	Glu	Glu	Ser	Thr	Ala 10	Leu	Gln	Lys	Thr	Asp 15	Lys
Lys	Glu	Ile	Leu 20	Lys	Lys	Ser	Glu	Lys 25	Asp	Thr	Asn	Ser	Lys 30	Val	Lys
Pro	Lys	Gly 35	Lys	Val	Arg	Trp	Thr 40	Gly	Ser	Arg	Thr	Arg 45	Gly	Arg	Trp
Lys	Tyr 50	Ser	Ser	Asn	Asp	Glu 55	Ser	Glu	Gly	Ser	Gly 60	Ser	Glu	Lys	Ser
Ser 65	Ala	Ala	Ser	Glu	Glu 70	Glu	Glu	Glu	Lys	Glu 75	Ser	Glu	Glu	Ala	Ile 80
Leu	Ala	Asp	Asp	Asp 85	Glu	Pro	Cys	Lys	Lys 90	Cys	Gly	Leu	Pro	Asn 95	His
Pro	Glu	Leu	Ile 100	Leu	Leu	Cys	Asp	Ser 105	Cys	Asp	Ser	Gly	Tyr 110	His	Thr
Ala	Cys	Leu 115	Arg	Pro	Pro	Leu	Met 120	Ile	Ile	Pro	Asp	Gly 125	Glu	Trp	Phe
Cys	Pro 130	Pro	Cys	Gln	His	Lys 135	Leu	Leu	Cys	Glu	Lys 140	Leu	Glu	Glu	Gln
Leu 145	Gln	Asp	Leu	Asp	Val 150	Ala	Leu	Lys	Lys 155	Glu	Arg	Ala	Glu	Arg 160	
Arg	Lys	Glu	Arg	Leu 165	Val	Tyr	Val	Gly	Ile 170	Ser	Ile	Glu	Asn 175	Ile	Ile
Pro	Pro	Gln	Glu 180	Pro	Asp	Phe	Ser	Glu 185	Asp	Gln	Glu	Glu	Lys 190	Lys	Lys
Asp	Ser	Lys 195	Lys	Ser	Lys	Ala	Asn 200	Leu	Leu	Glu	Arg	Arg 205	Ser	Thr	Arg
Thr	Arg 210	Lys	Cys	Ile	Ser	Tyr 215	Arg	Phe	Asp	Glu	Phe 220	Asp	Glu	Ala	Ile
Asp 225	Glu	Ala	Ile	Glu	Asp 230	Asp	Ile	Lys	Glu	Ala 235	Asp	Gly	Gly	Gly	Val 240
Gly	Arg	Gly	Lys	Asp 245	Ile	Ser	Thr	Ile	Thr 250	Gly	His	Arg	Gly	Lys 255	Asp
Ile	Ser	Thr	Ile 260	Leu	Asp	Glu	Lys	Ile 265	Ile	Thr					

<210> 145

<211> 185

<212> PRT

<213> Homo sapiens

<400> 145

Ser 1	Ser	Glu	Lys	Ser 5	Gly	Ser	Cys	Gly	Gly 10	Met	Met	Phe	Ser	Ile 15	Leu
Ile	Pro	Thr	Tyr 20	Thr	Lys	Arg	Ser	Phe 25	Leu	Arg	Ser	Ala	Arg 30	Ser	Phe
Phe	Phe	Lys 35	Ala	Thr	Ser	Lys	Ser 40	Cys	Asn	Cys	Ser	Ser 45	Asn	Phe	Ser
Gln	Ser 50	Ser	Leu	Cys	Trp	Gln 55	Gly	Gly	Gln	Asn	His 60	Ser	Pro	Ser	Gly
Met 65	Ile	Ile	Arg	Gly	Gly 70	Arg	Arg	Gln	Ala	Val 75	Trp	Tyr	Pro	Leu	Ser 80
Gln	Glu	Ser	His	Arg 85	Arg	Ile	Ser	Ser	Gly 90	Trp	Phe	Gly	Arg	Pro 95	His
Phe	Leu	His	Gly 100	Ser	Ser	Ser	Ser	Ala 105	Arg	Met	Ala	Ser	Ser 110	Leu	Ser
Phe	Ser	Ser 115	Ser	Ser	Ser	Glu	Ala 120	Ala	Asp	Asp	Phe	Ser 125	Leu	Pro	Asp
Pro	Ser 130	Leu	Ser	Ser	Leu	Leu 135	Glu	Tyr	Phe	His	Leu 140	Pro	Arg	Val	Arg
Glu 145	Pro	Val	His	Arg	Thr 150	Leu	Pro	Leu	Gly	Phe 155	Thr	Leu	Glu	Phe	Val 160
Ser	Phe	Ser	Asp	Phe 165	Phe	Lys	Ile	Ser	Phe 170	Leu	Ser	Val	Phe	Cys 175	Lys
Ala	Val	Asp	Ser 180	Ser	Ser	Thr	Ser	Ser 185							

<210> 146

<400> 146

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<210> 147

<400> 147

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<210> 148

<211> 134

<212> PRT

<213> Homo sapiens

<400> 148

Lys 1	Arg	Gln	Pro	Thr 5	Ser	Ala	Met	Lys	Asp 10	Pro	Ser	Arg	Ser	Ser 15	Thr
Ser	Pro	Ser	Ile 20	Ile	Asn	Glu	Asp	Val 25	Ile	Ile	Asn	Gly	His 30	Ser	His
Glu	Asp	Asp	Asn	Pro	Phe	Ala	Glu	Tyr	Met	Trp	Met	Glu	Asn	Glu	Glu

35						40					45				
Glu	Phe	Asn	Arg	Gln	Ile	Glu	Glu	Glu	Leu	Trp	Glu	Glu	Glu	Phe	Ile
	50					55					60				
Glu	Arg	Cys	Phe	Gln	Glu	Met	Leu	Glu	Glu	Glu	Glu	Glu	His	Glu	Trp
65					70					75					80
Phe	Ile	Pro	Ala	Arg	Asp	Leu	Pro	Gln	Thr	Met	Asp	Gln	Ile	Gln	Asp
				85					90					95	
Gln	Phe	Asn	Asp	Leu	Val	Ile	Ser	Asp	Gly	Ser	Ser	Leu	Glu	Asp	Leu
			100					105					110		
Val	Val	Lys	Ser	Asn	Leu	Asn	Pro	Asn	Ala	Lys	Glu	Phe	Val	Pro	Gly
		115					120					125			
Val	Lys	Tyr	Gly	Asn	Ile										
	130														

<210> 149

<211> 135

<212> PRT

<213> Homo sapiens

<400> 149

His	Ser	Asp	Lys	Arg	Ala	Phe	Thr	Ile	Lys	Ser	Ser	Asn	Thr	Ala	Phe
1				5					10					15	
Thr	Val	Trp	Lys	Leu	Cys	Tyr	Ile	His	Gln	Lys	Arg	Ala	Pro	Ser	Thr
			20					25					30		
Gln	Ile	Phe	Pro	Tyr	Phe	Thr	Pro	Gly	Thr	Asn	Ser	Phe	Ala	Phe	Gly
		35					40					45			
Phe	Arg	Leu	Leu	Leu	Thr	Thr	Arg	Ser	Ser	Arg	Glu	Glu	Pro	Ser	Leu
	50					55					60				
Ile	Thr	Arg	Ser	Leu	Asn	Trp	Ser	Trp	Ile	Trp	Ser	Ile	Val	Cys	Gly
65					70					75					80
Arg	Ser	Arg	Ala	Gly	Ile	Asn	His	Ser	Cys	Ser	Ser	Ser	Ser	Ser	Ser
				85					90					95	
Ile	Ser	Trp	Lys	Gln	Arg	Ser	Ile	Asn	Ser	Ser	Ser	His	Asn	Ser	Ser
			100					105					110		
Ser	Ile	Cys	Leu	Leu	Asn	Ser	Ser	Ser	Phe	Ser	Ile	His	Met	Tyr	Ser
		115					120					125			
Ala	Asn	Gly	Leu	Ser	Ser	Ser									
	130					135									

<210> 150

<211> 58

<212> PRT

<213> Homo sapiens

<400> 150

Leu	Val	Ser	Gly	Ala	Asn	Gln	Cys	Gly	Ser	Cys	Asn	Ser	Lys	Ser	Phe
1				5					10					15	

Leu	Thr	Lys	Ala 20	Trp	Tyr	Tyr	Arg	Val 25	Gly	Phe	Arg	Phe	Phe 30	Arg	Gly
Gly	Leu	Phe 35	Asp	Phe	Asp	Phe	Phe 40	Phe	Phe	Tyr	Val	Ile 45	Phe	Gly	Lys
Thr	His 50	Ser	Glu	Leu	Tyr	Leu 55	Val	Ser	Thr						

<210> 151
 <211> 61
 <212> PRT
 <213> Homo sapiens

<400> 151

Phe 1	Phe	Val	Leu	Lys 5	Ser	Leu	Leu	Val	Gly 10	Ala	Cys	Tyr	Trp	Glu 15	Gln
Val	Phe	Val	Gln 20	Lys	Leu	Gln	Ser	Glu 25	Ser	Leu	Cys	Ile	Thr 30	Glu	Thr
Leu	Phe	Ile 35	Thr	Ser	Leu	Leu	Ser 40	Leu	Pro	Gln	Lys	Thr 45	Val	Gly	Leu
Asn	Lys 50	Ile	Ile	Cys	Ile	Leu 55	Ile	Tyr	Leu	Lys	Cys 60	Leu			

<210> 152
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 152

Ser 1	Ala	Cys	Lys	Phe 5	Leu	Arg	Asp	Leu	Pro 10	Leu	Leu	Thr	Val	Asp 15	Gln
Leu	Met	Tyr	Thr 20	Cys	Ile	Ile	Lys	Ala 25	Leu	Asn	Lys	Ser	Leu 30	Trp	Leu
Ile	Thr	Ala 35	Lys	Met	Gly	Thr	Arg 40	His	Leu	Leu	Cys	Val 45	Leu	Val	Thr
Ala	Val 50	Ala	Leu	Arg	Ala	Val 55	Arg	Pro	Cys	Leu	Ile 60				

<210> 153
 <211> 56
 <212> PRT
 <213> Homo sapiens

<400> 153

Lys 1	Arg	Asp	Ile	Ile 5	Leu	Asn	Val	Phe	Ser 10	Gln	Arg	Ser	His	Lys 15	Arg
Lys	Lys	Asn	Gln 20	Asn	Gln	Ile	Asn	His 25	His	Glu	Lys	Asn	Glu 30	Thr	Pro
His	Gly	Asn 35	Thr	Lys	Leu	Trp	Leu 40	Gly	Ser	Ser	Tyr	Tyr 45	Tyr	Ser	Ser

His Ile Gly Trp Arg Arg Lys Pro
50 55

<210> 154

<400> 154

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<210> 155

<211> 150

<212> PRT

<213> Homo sapiens

<400> 155

Ile	Pro	Val	His	Arg	Leu	His	Gly	Arg	Ala	Asp	Pro	Leu	Gly	Trp	Ser
1				5					10					15	
Ile	Val	Ser	Asp	Leu	Ile	Thr	Ser	Gly	Leu	Gly	Ala	Gly	Val	Leu	Arg
			20					25					30		
Gly	Leu	Pro	Ala	Arg	Arg	Leu	His	Ser	Leu	Gly	Arg	Arg	Val	Leu	Gly
		35					40					45			
Arg	Pro	Gly	Val	Trp	Leu	Glu	Arg	Leu	Gly	His	Gly	Arg	Arg	Asp	Ala
	50					55					60				
Leu	Gly	Ala	Trp	Ser	Ala	Ala	Gln	Arg	Pro	Arg	Thr	Pro	Gly	Arg	Pro
65					70					75					80
Ala	Cys	Val	Cys	Ala	Pro	Arg	Arg	Gly	Pro	Glu	Ser	Pro	Ser	Ala	Asp
				85					90					95	
Pro	Val	Pro	Pro	Pro	Gly	Arg	Ala	Gly	Asp	Pro	Ser	Pro	Pro	Asp	Ala
			100					105					110		
Ser	Ala	Ser	Gly	Pro	Arg	Gly	Gly	Ala	Ala	Thr	Lys	Ala	Gly	Pro	Ala
		115					120					125			
His	Asp	Pro	Gly	Gln	Leu	Arg	Pro	Glu	Leu	Arg	Val	Leu	Pro	Pro	Pro
	130					135					140				
Pro	Arg	Gly	Asp	Arg	Glu										
145					150										

<210> 156

<211> 81

<212> PRT

<213> Homo sapiens

<400> 156

Leu	Pro	Val	Ala	Ala	Gly	Gly	Arg	Gly	Gln	Asp	Ala	Gln	Leu	Arg	Pro
1				5					10					15	
Glu	Leu	Ser	Gly	Val	Val	Ser	Arg	Pro	Arg	Leu	Gly	Gly	Gly	Ala	Pro
			20					25					30		
Ser	Arg	Ser	Arg	Gly	Arg	Arg	Ile	Gly	Trp	Ala	Arg	Val	Ser	Ser	Pro
		35					40					45			
Ala	Gly	Arg	Arg	Asp	Arg	Val	Cys	Gly	Gly	Gly	Leu	Gly	Ala	Ser	Ala
	50					55					60				

Gly	Arg	Ala	His	Ala	Gly	Gly	Ala	Ala	Arg	Gly	Ala	Gly	Pro	Leu	Arg
65					70					75					80

Gly

<210> 157
 <211> 214
 <212> PRT
 <213> Homo sapiens

<400> 157

Pro	Gly	Ser	Gln	Ser	Val	Thr	Pro	Pro	Met	Ala	Glu	Pro	Leu	Gln	Pro
1				5					10					15	
Asp	Pro	Gly	Ala	Ala	Glu	Asp	Ala	Ala	Ala	Gln	Ala	Val	Glu	Thr	Pro
			20					25					30		
Gly	Trp	Lys	Ala	Pro	Glu	Asp	Ala	Gly	Pro	Gln	Pro	Gly	Ser	Tyr	Glu
		35					40					45			
Ile	Arg	His	Tyr	Gly	Pro	Ala	Lys	Trp	Val	Ser	Thr	Ser	Val	Glu	Ser
	50					55					60				
Met	Asp	Trp	Asp	Ser	Ala	Ile	Gln	Thr	Gly	Phe	Thr	Lys	Leu	Asn	Ser
65					70					75					80
Tyr	Ile	Gln	Gly	Lys	Asn	Glu	Lys	Glu	Met	Lys	Ile	Lys	Met	Thr	Ala
				85					90					95	
Pro	Val	Thr	Ser	Tyr	Val	Glu	Pro	Gly	Ser	Gly	Pro	Phe	Ser	Glu	Ser
			100					105					110		
Thr	Ile	Thr	Ile	Ser	Leu	Tyr	Ile	Pro	Ser	Glu	Gln	Gln	Phe	Asp	Pro
		115					120					125			
Pro	Arg	Pro	Leu	Glu	Ser	Asp	Val	Phe	Ile	Glu	Asp	Arg	Ala	Glu	Met
	130					135					140				
Thr	Val	Phe	Val	Arg	Ser	Phe	Asp	Gly	Phe	Ser	Ser	Ala	Gln	Lys	Asn
145					150					155					160
Gln	Glu	Gln	Leu	Leu	Thr	Leu	Ala	Ser	Ile	Leu	Arg	Glu	Asp	Gly	Lys
				165					170					175	
Val	Phe	Asp	Glu	Lys	Val	Tyr	Tyr	Thr	Ala	Gly	Tyr	Asn	Ser	Pro	Val
			180					185					190		
Lys	Leu	Leu	Asn	Arg	Asn	Asn	Glu	Val	Trp	Leu	Ile	Gln	Lys	Asn	Glu
		195					200					205			
Pro	Thr	Lys	Glu	Asn	Glu										
	210														

<210> 158
 <211> 62
 <212> PRT
 <213> Homo sapiens

<400> 158

Pro	Asn	Phe	Tyr	Arg	Gly	Phe	Ile	Phe	Asn	Leu	Thr	Met	Cys	Gly	Gly
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

1			5			10			15						
Leu	Ser	Cys	Leu 20	Asn	Leu	Phe	Arg	Ala 25	Val	Cys	Ser	Val	His 30	Gln	Met
Gly	Arg	Ser 35	Gly	Met	Gly	His	Leu 40	Arg	Pro	Phe	Arg	Ser 45	Gly	Leu	Asn
Arg	Met 50	Leu	Glu	Pro	Arg	Leu 55	Asp	Ser	Asp	Thr	Leu 60	Arg	Phe		

<210> 159
 <211> 104
 <212> PRT
 <213> Homo sapiens

<400> 159

Ile 1	His	Leu	Pro	Lys 5	Lys	Leu	Ile	Ser	Phe 10	Tyr	Leu	Arg	Gly	Glu 15	Val
Gln	Phe	Ser	Phe 20	Gly	Ser	Ser	Glu	Ser 25	Lys	His	Leu	Ile	Cys 30	Trp	Val
Trp	Lys	Thr 35	Pro	Phe	Leu	Ala	Phe 40	Tyr	Val	Leu	Ser	His 45	Asn	Asn	Ser
Ile	Lys 50	Gln	Glu	Gly	Lys	Gln 55	Lys	Thr	Lys	Lys	Lys 60	Lys	Gly	Lys	Lys
Lys 65	Asn	Leu	His	Gly	Leu 70	Val	Ser	Leu	Thr	Lys 75	His	Val	Gly	Ala	Val 80
Cys	Leu	Gly	Gly	Ala 85	Gly	Tyr	Arg	Thr	Cys 90	Gln	Cys	Leu	Gly	Phe 95	Ser
Ile	Asn	Leu	Ala 100	Arg	Asp	Ile	Lys								

<210> 160
 <211> 80
 <212> PRT
 <213> Homo sapiens

<400> 160

Ser 1	Leu	Leu	Ile	Ser 5	Arg	Lys	Ile	Lys	Gln 10	Asn	Thr	Ser	Pro	Ala 15	Arg
Leu	Thr	Cys	Val 20	Tyr	Ile	Tyr	Ile	Lys 25	Gln	Arg	Ala	Thr	Pro 30	Thr	Ser
Gln	Gln	Leu 35	Gly	Glu	Ile	Ser	Ala 40	Val	His	Ala	Val	Val 45	Cys	Gln	Phe
Gly	Glu 50	Ile	Thr	Pro	Trp	Lys 55	Asn	Trp	Lys	Asn	Leu 60	Leu	Ala	Gly	Lys
Asn 65	Ser	Phe	Ile	Cys	Ile 70	Lys	Ser	Val	Leu	Gln 75	Lys	Asn	Pro	Cys	Gly 80

<210> 161
 <400> 161

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<210> 162

<400> 162

000

<210> 163

<211> 75

<212> PRT

<213> Homo sapiens

<400> 163

Pro	Ser	Ile	Asp	Leu	Glu	Ala	Glu	Glu	Ser	Gln	Arg	Leu	Leu	Lys	Val
1				5					10					15	
Val	Met	Trp	Phe	Ser	Phe	Lys	Lys	Leu	Leu	Phe	Leu	Glu	Ser	Arg	Ile
			20					25					30		
Tyr	Gly	Tyr	Asn	Val	Cys	Ser	Leu	Phe	Val	His	Lys	Ile	Lys	Pro	Phe
		35					40					45			
Lys	Lys	Leu	Lys	Lys	Lys	Lys	Lys	Arg	Gly	Glu	Lys	Lys	Arg	Glu	Lys
	50					55					60				
Gly	Lys	Gly	Lys	Arg	Lys	Arg	Arg	Gly	Glu	Glu					
65					70					75					

<210> 164

<211> 68

<212> PRT

<213> Homo sapiens

<400> 164

Lys	Tyr	Leu	Thr	Leu	Pro	Tyr	Lys	Leu	Leu	Val	Pro	Phe	Cys	Ile	Pro
1				5					10					15	
Pro	Ser	Ile	Thr	Leu	Thr	Lys	Gly	Ile	Phe	Tyr	Cys	Lys	Glu	Tyr	Phe
			20					25					30		
Ile	Leu	Tyr	Ile	Thr	Ser	His	Glu	Phe	Leu	Pro	Leu	Val	Thr	Ile	Gln
		35					40					45			
Met	Leu	Pro	Ser	Ala	Ile	Ile	Gln	Ile	Ala	Gln	Pro	Phe	Tyr	Val	His
	50					55					60				
Asn	Ser	Leu	Leu												
65															

<210> 165

<211> 66

<212> PRT

<213> Homo sapiens

<400> 165

Leu	Phe	Phe	Leu	Phe	Arg	Tyr	His	Thr	Val	Pro	Leu	Pro	Pro	Lys	Gly
1				5					10					15	
Arg	Val	Leu	Ile	His	Trp	Met	Thr	Leu	Cys	Gln	Thr	Gln	Met	Lys	Leu
			20					25					30		

Met	Ala	Ile 35	Pro	Leu	Val	Phe	Gln 40	Ile	Met	Phe	Gly	Ile 45	Leu	Asn	Gly
Leu	Tyr 50	His	Tyr	Ala	Val	Phe 55	Glu	Glu	Thr	Leu	Glu 60	Lys	Thr	Ile	His
Glu 65	Glu														

<210> 166
 <211> 159
 <212> PRT
 <213> Homo sapiens

<400> 166

Thr 1	Arg	Leu	Lys	Gly 5	Asp	Arg	Gly	Gly	Val 10	His	Phe	Leu	Lys	Ala 15	Leu
Arg	Arg	Gly	Gly 20	Leu	Arg	Ala	Ser	Leu 25	Leu	Tyr	Leu	Leu	Glu 30	Lys	Tyr
Arg	Leu	Val 35	Phe	Leu	Leu	Ser	Ile 40	Cys	Val	Arg	Gly	Met 45	Val	Ser	Ser
Val	Lys 50	Ser	Phe	Leu	Val	Gly 55	Glu	Gln	Leu	Leu	Ser 60	Ile	Ser	Glu	Pro
Arg 65	Phe	Lys	Met	Ser	Val 70	Cys	Lys	Cys	Ser	Phe 75	Leu	Ser	Thr	Thr	Ser 80
Thr	Phe	Val	Pro	Ile 85	Ser	Ser	Asp	Ser	Lys 90	Lys	Val	Ser	Ser	Tyr 95	Phe
Ser	Leu	Cys	Ser 100	Glu	Ser	Leu	Ala	Glu 105	Gln	Asn	Leu	Phe	Met 110	Met	Pro
Glu	Val	Phe 115	Cys	Ser	Glu	Gln	Lys 120	Phe	Asp	Pro	Glu	Leu 125	Asn	Asp	Leu
Ser	Phe 130	Phe	Phe	Thr	Arg	Leu 135	Phe	Ser	Ser	Leu	Val 140	Thr	Leu	Arg	Val
Ser 145	Pro	His	Ala	Pro	Ala 150	Ser	Glu	Met	Gln	Thr 155	Val	Leu	Ser	Ser	

<210> 167
 <211> 439
 <212> PRT
 <213> Homo sapiens

<400> 167

Lys 1	Ser	Leu	Leu	Phe 5	Thr	Ser	Ser	Lys	Phe 10	Pro	Leu	Ile	Ser	Phe 15	Ser
Ser	Pro	Gln	Gly 20	Leu	Lys	Phe	Arg	Ser 25	Lys	Ser	Ser	Leu	Ala 30	Asn	Tyr
Leu	His	Lys 35	Asn	Gly	Glu	Thr	Ser 40	Leu	Lys	Pro	Glu	Asp 45	Phe	Asp	Phe
Thr	Val	Leu	Ser	Lys	Arg	Gly	Ile	Lys	Ser	Arg	Tyr	Lys	Asp	Cys	Ser

	50					55					60					
Met 65	Ala	Ala	Leu	Thr	Ser 70	His	Leu	Gln	Asn	Gln 75	Ser	Asn	Asn	Ser	Asn 80	
Trp	Asn	Leu	Arg	Thr 85	Arg	Ser	Lys	Cys	Lys 90	Lys	Asp	Val	Phe	Met 95	Pro	
Pro	Ser	Ser	Ser 100	Ser	Glu	Leu	Gln	Glu 105	Ser	Arg	Gly	Leu	Ser 110	Asn	Phe	
Thr	Ser	Thr 115	His	Leu	Leu	Leu	Lys 120	Glu	Asp	Glu	Gly	Val 125	Asp	Asp	Val	
Asn	Phe 130	Arg	Lys	Val	Arg	Lys 135	Pro	Lys	Gly	Lys	Val 140	Thr	Ile	Leu	Lys	
Gly 145	Ile	Pro	Ile	Lys	Lys 150	Thr	Lys	Lys	Gly	Cys 155	Arg	Lys	Ser	Cys	Ser 160	
Gly	Phe	Val	Gln	Ser 165	Asp	Ser	Lys	Arg	Glu 170	Ser	Val	Cys	Asn	Lys 175	Ala	
Asp	Ala	Glu	Ser 180	Glu	Pro	Val	Ala	Gln 185	Lys	Ser	Gln	Leu	Asp 190	Arg	Thr	
Val	Cys	Ile 195	Ser	Asp	Ala	Gly	Ala 200	Cys	Gly	Glu	Thr	Leu 205	Ser	Val	Thr	
Ser	Glu 210	Glu	Asn	Ser	Leu	Val 215	Lys	Lys	Lys	Glu	Arg 220	Ser	Leu	Ser	Ser	
Gly 225	Ser	Asn	Phe	Cys	Ser 230	Glu	Gln	Lys	Thr	Ser 235	Gly	Ile	Ile	Asn	Lys 240	
Phe	Cys	Ser	Ala	Lys 245	Asp	Ser	Glu	His	Asn 250	Glu	Lys	Tyr	Glu	Asp 255	Thr	
Phe	Leu	Glu	Ser 260	Glu	Glu	Ile	Gly	Thr 265	Lys	Val	Glu	Val	Val 270	Glu	Arg	
Lys	Glu	His 275	Leu	His	Thr	Asp	Ile 280	Leu	Lys	Arg	Gly	Ser 285	Glu	Met	Asp	
Asn	Asn 290	Cys	Ser	Pro	Thr	Arg 295	Lys	Asp	Phe	Thr	Glu 300	Asp	Thr	Ile	Pro	
Arg 305	Thr	Gln	Ile	Glu	Arg 310	Arg	Lys	Thr	Ser	Leu 315	Tyr	Phe	Ser	Ser	Lys 320	
Tyr	Asn	Lys	Glu	Ala 325	Leu	Ser	Pro	Pro	Arg 330	Arg	Lys	Ala	Phe	Lys 335	Lys	
Trp	Thr	Pro	Pro 340	Arg	Ser	Pro	Phe	Asn 345	Leu	Val	Gln	Glu	Thr 350	Leu	Phe	
His	Asp	Pro 355	Trp	Lys	Leu	Leu	Ile 360	Ala	Thr	Ile	Phe	Leu 365	Asn	Arg	Thr	
Ser	Gly 370	Lys	Met	Ala	Ile	Pro 375	Val	Leu	Trp	Lys	Phe 380	Leu	Glu	Lys	Tyr	
Pro	Ser	Ala	Glu	Val	Ala	Arg	Thr	Ala	Asp	Trp	Arg	Asp	Val	Ser	Glu	

<400> 168

<400> 169

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<210> 170
<211> 91
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<212> PRT
 <213> Homo sapiens

<400> 170

Ala	Asp	Ser	His	Gln	Asn	Tyr	Ile	Pro	Trp	Pro	Pro	Ala	Cys	Val	Leu
1				5					10					15	
Leu	Ala	Arg	Pro	Trp	Leu	Ala	Ser	Leu	Thr	Arg	Glu	Lys	Asp	Leu	Gln
			20					25					30		
Lys	Ile	Arg	Leu	Trp	Asp	His	Phe	Val	Cys	Ala	Leu	Gly	Met	Thr	Phe
		35					40					45			
Phe	Pro	Thr	Pro	Gly	Lys	Pro	Leu	Gly	Leu	Ser	Glu	Thr	Leu	Trp	Leu
	50					55					60				
Ala	Asn	His	Met	Val	Ser	Leu	Lys	Val	Glu	Arg	Leu	Ser	Asn	Pro	Pro
65					70					75					80
Ile	Pro	Arg	Glu	Phe	Gln	Ser	Val	Asp	Val	Ile					
				85					90						

<210> 171
 <211> 95
 <212> PRT
 <213> Homo sapiens

<400> 171

Asn	Gly	Gly	Leu	Asn	Ala	His	Leu	Ala	Ser	Ala	Ser	Glu	Phe	Asp	His
1				5					10					15	
Ser	Gly	Val	Gln	Leu	Ile	Glu	Arg	Glu	Glu	Glu	Ile	Cys	Ile	Phe	Tyr
			20					25					30		
Glu	Lys	Ile	Asn	Ile	Gln	Glu	Lys	Met	Lys	Leu	Asn	Gly	Glu	Ile	Glu
		35					40					45			
Ile	His	Leu	Leu	Glu	Glu	Lys	Ile	Gln	Phe	Leu	Lys	Met	Lys	Ile	Ala
	50					55					60				
Glu	Lys	Gln	Arg	Gln	Ile	Cys	Val	Thr	Gln	Lys	Leu	Leu	Pro	Ala	Lys
65					70					75					80
Arg	Ser	Leu	Asp	Ala	Asp	Leu	Ala	Val	Leu	Gln	Ile	Gln	Phe	Ser	
				85					90					95	

<210> 172
 <211> 90
 <212> PRT
 <213> Homo sapiens

<400> 172

Lys	Thr	Glu	Phe	Gly	Ala	Gln	Leu	Gly	Arg	His	Pro	Gly	Thr	Ser	Trp
1				5					10					15	
Leu	Ala	Val	Ile	Ser	Gly	Ser	His	Lys	Phe	Val	Phe	Ala	Ser	Gln	Gln
			20					25					30		
Ser	Ser	Phe	Ser	Gly	Ile	Gly	Ser	Phe	Leu	Pro	Val	Asp	Val	Phe	Gln
		35					40					45			

Phe	Leu	His	Leu	Val	Ser	Ser	Ser	Leu	Gly	Tyr	Leu	Phe	Phe	His	Lys
	50					55					60				
Lys	Cys	Ile	Phe	Leu	Leu	Pro	Ala	Leu	Ser	Ala	Glu	Arg	His	Tyr	Gly
65					70					75					80
Gln	Ile	Gln	Arg	Gln	Arg	Leu	Ser	Gly	His						
				85					90						

<210> 173
 <211> 102
 <212> PRT
 <213> Homo sapiens

<400> 173

Ala	Val	Arg	Ser	Arg	Gly	Ala	Leu	Ser	Leu	Ser	Val	Gly	Ala	Ala	Cys
1				5					10					15	
Gly	Leu	Val	Ala	Leu	Trp	Gln	Arg	Arg	Arg	Gln	Asp	Ser	Gly	Thr	Met
			20					25					30		
Ser	Gly	Phe	Ser	Thr	Glu	Glu	Arg	Ala	Ala	Pro	Phe	Ser	Leu	Glu	Tyr
		35					40					45			
Arg	Val	Phe	Leu	Lys	Asn	Glu	Lys	Gly	Gln	Tyr	Ile	Ser	Pro	Phe	His
	50					55					60				
Asp	Ile	Pro	Ile	Tyr	Ala	Asp	Lys	Val	Arg	His	Pro	Cys	Phe	Trp	Thr
65					70					75					80
Gln	Ser	Leu	Tyr	Ser	Asp	Gln	Leu	Val	Leu	His	Met	Asn	Phe	Leu	Ile
				85					90					95	
Cys	Leu	Ser	Thr	Ser	Ala										
			100												

<210> 174
 <211> 73
 <212> PRT
 <213> Homo sapiens

<400> 174

Val	Lys	Arg	Leu	Cys	Pro	Lys	Thr	Arg	Met	Pro	Tyr	Leu	Ile	Cys	Ile
1				5					10					15	
Asn	Trp	Asn	Ile	Met	Lys	Trp	Arg	Tyr	Ile	Leu	Ser	Phe	Leu	Ile	Phe
			20					25					30		
Glu	Glu	Asp	Ser	Val	Leu	Gln	Gly	Glu	Gly	Arg	Gly	Ala	Leu	Leu	Gly
		35					40					45			
Ala	Glu	Ala	Ala	His	Ser	Ala	Gly	Val	Leu	Pro	Pro	Pro	Leu	Pro	Gln
	50					55					60				
Ser	His	Gln	Pro	Ala	Arg	Gly	Ala	Asp							
65					70										

<210> 175
 <211> 130
 <212> PRT

<213> Homo sapiens

<400> 175

Arg 1	Arg	Gln	Arg	Lys 5	Ala	Glu	Pro	Gly	Ala 10	Cys	Ala	Leu	Gly	Arg 15	Val
Gly	Ser	Glu	Cys 20	Ile	Pro	Glu	Pro	Gly 25	Ala	Arg	Arg	Thr	Ala 30	Gln	Ala
Ala	Gly	Leu 35	Arg	Ser	Val	Ser	Gly 40	Ala	Ala	Asn	Thr	Lys 45	Val	Arg	Glu
Leu	Lys 50	His	Phe	Arg	Phe	Leu 55	Gly	Leu	Leu	Arg	Ser 60	Cys	Arg	Ser	Glu
Met 65	Glu	Val	Asp	Ala	Pro 70	Gly	Val	Asp	Gly	Arg 75	Asp	Gly	Leu	Arg	Glu 80
Arg	Arg	Gly	Phe	Ser 85	Glu	Gly	Gly	Arg	Gln 90	Asn	Phe	Asp	Val	Arg 95	Pro
Gln	Ser	Gly	Ala 100	Asn	Gly	Leu	Pro	Lys 105	His	Ser	Tyr	Trp	Leu 110	Asp	Leu
Trp	Leu	Phe 115	Ile	Leu	Phe	Asp	Val 120	Val	Val	Phe	Leu	Phe 125	Val	Tyr	Phe
Leu	Pro 130														

<210> 176

<211> 62

<212> PRT

<213> Homo sapiens

<400> 176

Ile 1	Leu	Lys	Met	Ala 5	Thr	Asn	Phe	Leu	Asn 10	Lys	Glu	Asp	Arg	Thr 15	Leu
Asn	Arg	Arg	Ile 20	Ser	His	Leu	Gln	Gly 25	Thr	Leu	Pro	Phe	Ile 30	Leu	His
Phe	Val	Thr 35	Asn	Leu	Gln	Asn	Ser 40	Ile	Asn	Trp	Val	Gly 45	Phe	His	Pro
Phe	Leu 50	Ala	Lys	Phe	Leu	Lys 55	Leu	Asn	Pro	Leu	Val 60	Arg	Val		

<210> 177

<211> 174

<212> PRT

<213> Homo sapiens

<400> 177

Ala 1	Val	Tyr	Cys	Ile 5	Leu	His	Gln	Gln	Lys 10	Val	Leu	Arg	Leu	Tyr 15	Lys
Arg	Ala	Leu	Arg 20	His	Leu	Glu	Ser	Trp 25	Cys	Val	Gln	Arg	Asp 30	Lys	Tyr

Arg	Tyr	Phe 35	Ala	Cys	Leu	Met	Arg 40	Ala	Arg	Phe	Glu	Glu 45	His	Lys	Asn
Glu	Lys 50	Asp	Met	Ala	Lys	Ala 55	Thr	Gln	Leu	Leu	Lys 60	Glu	Ala	Glu	Glu
Glu 65	Phe	Trp	Tyr	Arg	Gln 70	His	Pro	Gln	Pro	Tyr 75	Ile	Phe	Pro	Asp	Ser 80
Pro	Gly	Gly	Thr	Ser 85	Tyr	Glu	Arg	Tyr	Asp 90	Cys	Tyr	Lys	Val	Pro 95	Glu
Trp	Cys	Leu	Asp 100	Asp	Trp	His	Pro	Ser 105	Glu	Lys	Ala	Met	Tyr 110	Pro	Asp
Tyr	Phe	Ala 115	Lys	Arg	Glu	Gln	Trp 120	Lys	Lys	Leu	Arg	Arg 125	Glu	Ser	Trp
Glu	Arg 130	Glu	Val	Lys	Gln	Leu 135	Gln	Glu	Glu	Thr	Pro 140	Pro	Gly	Gly	Pro
Leu 145	Thr	Glu	Ala	Leu	Pro 150	Pro	Ala	Arg	Lys	Glu 155	Gly	Asp	Leu	Pro	Pro 160
Leu	Trp	Trp	Tyr	Ile 165	Val	Thr	Arg	Pro	Arg 170	Glu	Arg	Pro	Met		

<210> 178

<211> 131

<212> PRT

<213> Homo sapiens

<400> 178

Pro 1	Leu	Val	Pro	Ser 5	Phe	Pro	Ser	Ala	Val 10	Ser	Ser	Thr	Val	Leu 15	Ser
Trp	Gln	Ser	Asn 20	Gln	Asp	Thr	Leu	Pro 25	Ser	Gln	Lys	Asp	Ala 30	Ser	His
Leu	Ser	Thr 35	Ile	Leu	Gly	Pro	Cys 40	Ser	Asn	Arg	Ile	Ser 45	His	Arg	Arg
Cys	Pro 50	Gln	Glu	Ser	Gln	Gly 55	Arg	Cys	Met	Ala	Val 60	Asp	Ala	Asp	Gly
Thr 65	Arg	Ile	Leu	Pro	Arg 70	Pro	Pro	Ser	Ala	Ala 75	Gly	Trp	Pro	Ser	Pro 80
Tyr	Pro	Phe	His	Ser 85	Tyr	Val	Leu	Gln	Thr 90	Gly	Leu	Ser	Ser	Asn 95	Lys
Gln	Ser	Ile	Gly 100	Ile	Cys	Leu	Ser	Gly 105	Arg	Thr	Thr	Thr	Arg 110	Gly	Gly
Val	Ala	Pro 115	Ala	Tyr	Lys	Ala	Ala 120	Thr	Pro	Phe	Ala	Asp 125	Val	Val	Cys
Asn	Ile 130	Arg													

<210> 179

<211> 80

<212> PRT

<213> Homo sapiens

<400> 179

Leu 1	Met	Met	Thr	Ile 5	Tyr	Ala	Leu	Ser	Asn 10	Glu	Phe	Ala	Phe	Lys 15	Ile
Asn	Glu	Glu	Gln 20	Leu	Ser	Phe	Phe	Pro 25	Leu	Leu	Ser	Val	Gln 30	Leu	Trp
His	Ala	Gln 35	Arg	Phe	Leu	Leu	Asp 40	Ser	Ser	Trp	Ser	Gly 45	Val	Ile	Pro
Phe	Phe 50	Phe	Ser	Cys	Ser	Cys 55	Leu	Pro	Phe	Leu	Tyr 60	Pro	Pro	Lys	Trp
Arg 65	Gln	Ile	His	Asp	Leu 70	Lys	Asp	Thr	Gln	Tyr 75	Leu	Leu	Asn	Ser	Ser 80

<210> 180

<211> 140

<212> PRT

<213> Homo sapiens

<400> 180

Lys 1	Val	Leu	Arg	Lys 5	Leu	Lys	Gly	Pro	Glu 10	Glu	Ala	Ser	Gly	Gln 15	Met
Ala	Gly	Ala	Gly 20	Pro	Thr	Met	Leu	Leu 25	Arg	Glu	Glu	Asn	Gly 30	Cys	Cys
Ser	Arg	Arg 35	Gln	Ser	Ser	Ser	Ser 40	Ala	Gly	Asp	Ser	Asp 45	Gly	Glu	Arg
Glu	Asp 50	Ser	Ala	Ala	Glu	Arg 55	Ala	Arg	Gln	Gln	Leu 60	Glu	Ala	Leu	Leu
Asn 65	Lys	Thr	Met	Arg	Ile 70	Arg	Met	Thr	Asp	Gly 75	Arg	Thr	Leu	Val	Gly 80
Cys	Phe	Leu	Cys	Thr 85	Asp	Arg	Asp	Cys	Asn 90	Val	Ile	Leu	Gly	Ser 95	Ala
Gln	Glu	Phe	Leu 100	Lys	Pro	Ser	Asp	Ser 105	Phe	Ser	Ala	Gly	Glu 110	Pro	Arg
Val	Leu	Gly 115	Leu	Ala	Met	Val	Pro 120	Gly	His	His	Ile	Val 125	Ser	Ile	Glu
Val	Gln 130	Arg	Glu	Ser	Leu	Thr 135	Gly	Pro	Pro	Tyr	Leu 140				

<210> 181

<211> 114

<212> PRT

<213> Homo sapiens

<400> 181

Ser 1	Leu	Lys	Gly	Lys 5	Arg	His	Arg	Gly	Gln 10	Arg	Tyr	Gly	Gly	Pro 15	Val
----------	-----	-----	-----	----------	-----	-----	-----	-----	-----------	-----	-----	-----	-----	-----------	-----

Arg	Leu	Ser	Leu 20	Cys	Thr	Ser	Met	Glu 25	Thr	Met	Trp	Cys	Pro 30	Gly	Thr
Met	Ala	Arg 35	Pro	Ser	Thr	Arg	Gly 40	Ser	Pro	Ala	Glu	Lys 45	Glu	Ser	Asp
Gly	Leu 50	Arg	Asn	Ser	Cys	Ala 55	Glu	Pro	Arg	Met	Thr 60	Leu	Gln	Ser	Arg
Ser 65	Val	Gln	Arg	Lys	Gln 70	Pro	Thr	Ser	Val	Arg 75	Pro	Ser	Val	Met	Arg 80
Met	Arg	Ile	Val	Leu 85	Leu	Ser	Ser	Ala	Ser 90	Ser	Cys	Cys	Arg	Ala 95	Arg
Ser	Ala	Ala	Glu 100	Ser	Ser	Arg	Ser	Pro 105	Ser	Glu	Ser	Pro	Ala 110	Leu	Glu

Leu Leu

<210> 182
 <211> 95
 <212> PRT
 <213> Homo sapiens

<400> 182

Arg 1	Leu	Ser	Arg	Leu 5	Thr	Glu	Pro	Lys	Glu 10	Asp	Pro	Met	Ala	Gly 15	Ile
Ser	Thr	Ala	Glu 20	His	His	Leu	Asp 25	Pro	Thr	Ala	Ala	Leu	Pro 30	Thr	Gln
Leu	Ser	Arg 35	Ser	Arg	His	Ser	Pro 40	Gln	Val	Ile	Ser	Thr 45	Asp	Gly	Gly
Glu	Thr 50	Arg	Gly	Cys	Gly	Arg 55	Gln	Glu	Arg	Lys	Ala 60	Glu	Arg	Arg	Val
Cys 65	Lys	Asn	Ala	Lys	Val 70	Thr	Phe	Pro	Ile	Val 75	Gly	Gly	Lys	Cys	Gln 80
Arg	His	Trp	Phe	Cys 85	Cys	His	Arg	Gln	Ser 90	Glu	His	Leu	Glu	Leu 95	

<210> 183
 <211> 131
 <212> PRT
 <213> Homo sapiens

<400> 183

Arg 1	Arg	Val	Gln	His 5	Pro	Pro	Phe	Phe	Ser 10	Gln	Leu	Ile	Arg	Asp 15	Ala
Ala	Lys	Arg	Thr 20	Phe	Arg	Ile	Thr	Arg 25	Leu	Gln	Ala	Phe	Ser 30	Lys	Tyr
Leu	Val	Val 35	Tyr	Val	Tyr	Leu	Asn 40	Gly	Ser	Met	Leu	Pro 45	Val	Pro	Ser
Pro	Cys	Pro	Leu	Cys	Gln	Pro	Pro	Val	Ala	Leu	Val	Leu	Val	Ser	Phe

50						55						60					
Pro 65	Ser	Ser	Ala	Lys	Arg 70	Pro	Trp	Asn	Leu	Asn 75	Gly	Gly	Cys	Phe	Ala 80		
Leu	Gly	Gly	Ser	Cys 85	Trp	Trp	Asp	Gln	Ser 90	Phe	Asp	Lys	Pro	Pro 95	Ala		
Pro	Trp	Trp	His 100	Leu	Ser	Trp	Lys	Asp 105	Val	Thr	Thr	Pro	Gly 110	Ala	Gln		
Thr	Ala	Cys 115	Gly	Ser	Arg	Thr	Ser 120	Ala	Phe	Gly	Ile	Phe 125	Leu	Pro	Gln		
Trp	Gly 130	Arg															

<210> 184
 <211> 128
 <212> PRT
 <213> Homo sapiens

<400> 184

Thr 1	Ala	Pro	Cys	Cys 5	Arg	Cys	Pro	Ala	Pro 10	Val	Pro	Ser	Val	Asn 15	Pro
Leu	Ser	Leu	Trp 20	Cys	Trp	Phe	Arg	Ser 25	Arg	Leu	Gln	Gln	Asn 30	Asp	Leu
Gly	Thr	Ser 35	Met	Gly	Ala	Ala	Leu 40	Leu	Trp	Glu	Val	Leu 45	Val	Gly	Gly
Thr	Arg 50	Ala	Leu	Thr	Asn	Leu 55	Leu	Leu	Leu	Gly	Gly 60	Thr	Ser	Pro	Gly
Arg 65	Thr	Ser	Gln	Leu	Gln 70	Val	Leu	Arg	Leu	Pro 75	Val	Ala	Ala	Glu	Pro 80
Val	Pro	Leu	Ala	Phe 85	Ser	Ser	His	Asn	Gly 90	Glu	Gly	Asp	Phe	Gly 95	Ile
Leu	Thr	Asn	Ser 100	Ser	Leu	Gly	Leu	Ser 105	Leu	Leu	Pro	Ser	Thr 110	Ala	Ser
Arg	Phe	Ser 115	Ser	Ile	Cys	Ala	Tyr 120	Tyr	Leu	Arg	Thr	Val 125	Ser	Ala	Pro

<210> 185
 <211> 75
 <212> PRT
 <213> Homo sapiens

<400> 185

Asp 1	Ser	Arg	Val	Tyr 5	Cys	Phe	Ser	Gly	Asn 10	Tyr	Arg	Lys	Leu	Val 15	Leu
Pro	Arg	Lys	Thr 20	Gly	Ala	Ile	Arg	Asn 25	Gly	Ser	Asn	Ile	Ser 30	Lys	Leu
Arg	Lys	Gln 35	Asp	Val	Leu	Ser	Phe 40	Ala	His	Leu	Gly	Phe 45	Leu	Leu	Phe

Pro	Phe	Ser	Leu	Phe	Ser	Leu	Arg	Ser	Leu	Phe	Gln	Phe	Pro	Ser	Asp
	50					55					60				
Leu	Pro	Leu	Val	Pro	Leu	Glu	Ser	Gln	Arg	Leu					
65					70					75					

<210> 186
 <211> 62
 <212> PRT
 <213> Homo sapiens

<400> 186

Leu	Gly	Asp	Ser	Glu	Ser	Met	Pro	Leu	Leu	Ala	Leu	Lys	Cys	Pro	Val
1				5					10					15	
Arg	Leu	Leu	Gly	Thr	Leu	Glu	Pro	Ser	Glu	Ile	Leu	Ile	Ile	Leu	Gly
			20					25					30		
Ser	Ser	Pro	Tyr	Phe	Gln	Met	Phe	Ser	Ala	Gln	His	Trp	Val	Leu	Ser
		35					40					45			
Ser	Thr	Thr	Glu	Asn	Pro	Glu	Glu	Lys	Gly	Arg	Cys	Phe	Pro		
	50					55					60				

<210> 187
 <211> 89
 <212> PRT
 <213> Homo sapiens

<400> 187

Pro	His	Pro	Ser	Arg	Arg	Leu	Thr	Gln	Gly	Arg	Trp	Val	Arg	Lys	Ser
1				5					10					15	
Arg	Val	Ala	Met	Glu	Lys	Ile	Pro	Val	Ser	Ala	Phe	Leu	Arg	Leu	Val
			20					25					30		
Ala	Leu	Ser	Tyr	Asn	Leu	Ala	Arg	Asp	Ser	Thr	Val	Lys	Pro	Gly	Ala
		35					40					45			
Lys	Lys	Asp	Arg	Lys	Glu	Ser	Arg	Ala	Lys	Leu	Arg	Gln	Thr	Leu	Ser
	50					55					60				
Arg	Ser	Trp	Gly	Glu	Gln	Leu	Ile	Trp	Thr	Gln	Thr	Tyr	Glu	Glu	Ala
65					70					75					80
Leu	Tyr	Lys	Ser	Arg	Leu	Ala	Thr	Asn							
				85											

<210> 188
 <211> 72
 <212> PRT
 <213> Homo sapiens

<400> 188

Gly	Asn	Pro	Glu	Leu	Pro	Trp	Arg	Lys	Phe	Gln	Cys	Gln	His	Ser	Cys
1				5					10					15	
Ala	Leu	Trp	Arg	Ser	Pro	Thr	Ile	Trp	Pro	Gly	Ile	Ala	Gln	Ser	Asn
			20					25					30		

Leu	Glu	Pro 35	Lys	Arg	Thr	Gly	Arg 40	Ser	Leu	Glu	Pro	Asn 45	Cys	Ala	Arg	
Pro	Ser 50	Pro	Glu	Val	Gly	Val 55	Asn	Asn	Ser	Ser	Gly 60	Leu	Arg	Arg	Met	
Lys 65	Lys	Leu	Tyr	Ile	Asn 70	Arg	Asp									

<210> 189
 <211> 125
 <212> PRT
 <213> Homo sapiens

<400> 189

Ser 1	Leu	Gly	His	Arg 5	Pro	Arg	Asn	Gly	Gly 10	His	Ser	Arg	Gly	Cys 15	Asp	
Leu	Gly	Gly	Leu 20	His	Ala	His	Ser	Pro 25	Asp	Pro	Arg	Leu	Gln 30	Gly	Ala	
Gly	Leu	Gln 35	Gln	Ala	Lys	Asn	Ala 40	Ala	Tyr	Ser	Val	Ser 45	Leu	Pro	Pro	
Gly	Cys 50	Val	Gly	His	Leu	Trp 55	Pro	His	Leu	Arg	Leu 60	His	His	Arg	Thr	
Gly 65	Arg	Glu	His	Arg	Ala 70	His	Thr	Leu	Leu	Pro 75	Leu	Trp	Asp	Pro	Leu 80	
Phe	His	Leu	Leu	Leu 85	Leu	Pro	Ala	Gly	Ser 90	Cys	Cys	Gln	Ser	Asp 95	Gln	
Ala	Arg	Pro	Gly 100	Glu	Glu	Ala	Pro	Phe 105	Pro	Val	Gly	Asp	Ser 110	Gly	Ser	
Gly	Arg	Gly 115	Leu	Gln	Pro	Ser	Pro 120	Gly	Cys	Tyr	Arg	Tyr 125				

<210> 190
 <211> 200
 <212> PRT
 <213> Homo sapiens

<400> 190

Arg 1	Gly	Arg	Asp	Ser 5	Cys	Pro	Arg	Ser	Pro 10	Pro	Ala	Leu	Arg	Ser 15	Ser	
Pro	Ala	Ala	Leu 20	Leu	Arg	Ala	Gly	Ser 25	Ser	Thr	Lys	Phe	Thr 30	Ala	Asn	
Ala	Leu	Ala 35	Leu	Gly	Ser	Arg	Met 40	Ala	Thr	Thr	Val	Pro 45	Asp	Gly	Cys	
Arg	Asn 50	Gly	Leu	Lys	Ser	Lys 55	Tyr	Tyr	Arg	Leu	Cys 60	Asp	Lys	Ala	Glu	
Ala 65	Trp	Gly	Ile	Val	Leu 70	Glu	Thr	Val	Ala	Thr 75	Ala	Gly	Val	Val	Thr 80	

Ser	Val	Ala	Phe	Met 85	Leu	Thr	Leu	Pro	Ile 90	Leu	Val	Cys	Lys	Val 95	Gln
Asp	Ser	Asn	Arg 100	Arg	Lys	Met	Leu	Pro 105	Thr	Gln	Phe	Leu	Phe 110	Leu	Leu
Gly	Val	Leu 115	Gly	Ile	Phe	Gly	Leu 120	Thr	Phe	Ala	Phe	Ile 125	Ile	Gly	Leu
Asp	Gly 130	Ser	Thr	Gly	Pro	Thr 135	Arg	Phe	Phe	Leu	Phe 140	Gly	Ile	Leu	Phe
Ser 145	Ile	Cys	Phe	Ser	Cys 150	Leu	Leu	Ala	His	Ala 155	Val	Ser	Leu	Thr	Lys 160
Leu	Val	Arg	Gly	Arg 165	Lys	Pro	Leu	Ser	Arg 170	Leu	Val	Ile	Leu	Gly 175	Leu
Ala	Val	Gly	Phe 180	Ser	Leu	Val	Gln	Asp 185	Val	Ile	Ala	Ile	Glu 190	Tyr	Ile
Val	Leu	Thr 195	Met	Asn	Arg	Thr	Lys 200								

<210> 191

<211> 111

<212> PRT

<213> Homo sapiens

<400> 191

Ala 1	Glu	Ala	His	Gly 5	Gln	Thr	Gln	Asn	His 10	Gln	Pro	Gly	Lys	Gly 15	Leu
Pro	Pro	Pro	Asp 20	Glu	Leu	Gly	Gln	Thr 25	Asp	Ser	Met	Ser	Gln 30	Gln	Ala
Gly	Glu	Ala 35	Asp	Gly	Lys	Glu	Asp 40	Pro	Lys	Glu	Glu	Glu 45	Ala	Cys	Gly
Pro	Cys 50	Ala	Pro	Val	Gln	Ser 55	Asp	Asp	Glu	Gly	Glu 60	Gly	Glu	Ala	Lys
Asp 65	Ala	Gln	His	Thr	Gln 70	Glu	Glu	Glu	Lys	Leu 75	Ser	Arg	Gln	His	Phe 80
Ser	Pro	Val	Gly	Val 85	Leu	His	Leu	Ala	Asp 90	Glu	Asp	Arg	Glu	Ser 95	Glu
His	Glu	Gly	His 100	Arg	Gly	His	Asn	Pro 105	Gly	Cys	Gly	His	Arg 110	Phe	

<210> 192

<211> 92

<212> PRT

<213> Homo sapiens

<400> 192

Glu 1	Ile	Tyr	Trp	Glu 5	Thr	Asp	Tyr	Asn	His 10	Ser	Gly	Thr	Ile	Asp 15	Ala
His	Glu	Met	Arg	Thr	Ala	Leu	Arg	Lys	Ala	Gly	Phe	Thr	Leu	Asn	Ser

			20					25					30			
Gln	Val	Gln	Gln	Thr	Ile	Ala	Leu	Arg	Tyr	Ala	Cys	Ser	Lys	Leu	Gly	
		35					40					45				
Ile	Asn	Phe	Asp	Ser	Phe	Val	Ala	Cys	Met	Ile	Arg	Leu	Glu	Thr	Leu	
	50					55					60					
Phe	Lys	Leu	Phe	Ser	Leu	Leu	Asp	Glu	Asp	Lys	Asp	Gly	Met	Val	Gln	
65					70					75					80	
Leu	Ser	Leu	Ala	Glu	Trp	Leu	Cys	Cys	Val	Leu	Val					
				85					90							

<210> 193
 <211> 81
 <212> PRT
 <213> Homo sapiens

<400> 193

Glu	Ser	Leu	Ile	Ala	Phe	Leu	Phe	Leu	His	Asp	Gln	Cys	Ala	Gln	Asp	
1				5					10					15		
Ser	Ile	Val	Leu	Thr	Met	Ile	Lys	Asp	Val	Val	Arg	Ile	Gln	Trp	Thr	
			20					25					30			
Arg	Asn	Glu	Cys	Lys	Gly	Gly	Leu	Glu	Gln	Arg	Arg	Gly	Cys	Pro	Glu	
		35					40					45				
Gly	Lys	Glu	Ser	Tyr	Gln	Ile	Leu	Leu	Asn	Leu	Gln	Pro	Glu	Arg	Leu	
	50					55					60					
Glu	Phe	His	Arg	Pro	Gln	Ser	Ala	Pro	Phe	His	Cys	Ser	Arg	His	Ile	
65					70					75					80	

Lys

<210> 194
 <211> 82
 <212> PRT
 <213> Homo sapiens

<400> 194

Lys	Thr	Thr	Ile	His	Gly	Pro	Cys	Gln	Asn	His	Leu	Pro	Pro	Pro	His	
1				5					10					15		
Cys	Phe	Leu	Lys	Arg	Pro	Gly	Thr	Leu	Ser	Lys	Gly	Asp	Pro	Ile	Asp	
			20					25					30			
Ser	Ser	Gln	Glu	Gly	Phe	Arg	Ala	Ser	Ile	Arg	Ala	Trp	Pro	Val	Leu	
		35					40					45				
Ala	Pro	Leu	Leu	Ser	Glu	Gln	Gln	Gly	Phe	Gln	Gly	Ser	Gly	Trp	His	
	50					55					60					
Glu	Ser	Leu	Ser	Leu	Pro	Ser	Cys	Ser	Phe	Met	Thr	Asn	Val	Pro	Arg	
65					70					75					80	

Thr Gln

<210> 195

<211> 25
 <212> PRT
 <213> Homo sapiens

<400> 195

Arg	Pro	Pro	Pro	Ser	Ser	Arg	Ser	Ser	Leu	Ala	Gly	Gln	Thr	Asn	Thr
1				5					10					15	
Gln	His	Ser	His	Ser	Ala	Arg	Glu	Ser							
			20					25							

<210> 196
 <211> 71
 <212> PRT
 <213> Homo sapiens

<400> 196

Thr	Met	Pro	Ser	Leu	Ser	Ser	Ser	Arg	Arg	Leu	Asn	Ser	Leu	Lys	Arg
1				5					10					15	
Val	Ser	Arg	Arg	Ile	Ile	Gln	Ala	Thr	Lys	Leu	Ser	Lys	Leu	Met	Pro
			20					25					30		
Ser	Leu	Leu	His	Ala	Tyr	Arg	Arg	Ala	Met	Val	Cys	Cys	Thr	Trp	Leu
		35					40					45			
Leu	Arg	Val	Lys	Pro	Ala	Phe	Leu	Arg	Ala	Val	Leu	Ile	Ser	Trp	Ala
	50					55					60				
Ser	Met	Val	Pro	Glu	Trp	Leu									
65					70										

<210> 197
 <211> 86
 <212> PRT
 <213> Homo sapiens

<400> 197

Ile	Arg	Arg	Asn	Thr	Ser	Arg	Ile	Ser	Val	His	Thr	Trp	Arg	Arg	Thr
1				5					10					15	
Pro	Pro	Tyr	Asp	Ser	Pro	Ala	Cys	Phe	Ser	Cys	Ser	Ile	Val	Ser	Leu
			20					25					30		
Glu	Gly	Ser	Gly	Phe	Phe	Ser	Cys	Val	Ser	Val	Phe	Phe	Ser	Phe	Asp
		35					40					45			
Leu	Ser	Asn	Phe	Ser	Ile	Ser	Ala	Ile	Ser	Gly	Leu	Ser	Asp	Met	Val
	50					55					60				
Ala	Glu	Glu	Lys	Gln	Ser	Glu	Ala	His	Glu	Tyr	Glu	Arg	Gln	Phe	Leu
65					70					75					80
Ala	Ser	Arg	Arg	Ser	Gly										
				85											

<210> 198
 <211> 101
 <212> PRT
 <213> Homo sapiens

<400> 198

His 1	Pro	Phe	Ser	Thr 5	Phe	Pro	Thr	Leu	Pro 10	Pro	Gln	Ala	Gly	Lys 15	Phe
Asp	Ala	Thr	Leu 20	Leu	Ala	Ser	Gln	Cys 25	Ile	Leu	Gly	Gly	Ala 30	Arg	Leu
Leu	Thr	Ile 35	Arg	Leu	Leu	Ala	Ser 40	Pro	Val	Gln	Ser	Phe 45	Leu	Trp	Lys
Ala	Val 50	Asp	Phe	Ser	Leu	Ala 55	Ser	Leu	Ser	Ser	Ser 60	Val	Ser	Thr	Tyr
Arg 65	Ile	Ser	Arg	Ser	Gln 70	Pro	Tyr	Arg	Val	Cys 75	Gln	Thr	Trp	Leu	Arg 80
Arg	Lys	Ser	Lys	Ala 85	Arg	Arg	Thr	Ser	Thr 90	Ser	Asp	Ser	Ser	Ser 95	Arg
Leu	Ala	Ala	Val 100	Ala											

<210> 199

<211> 100

<212> PRT

<213> Homo sapiens

<400> 199

Thr 1	Pro	Phe	Pro	Pro 5	Ser	Gln	Leu	Tyr	Pro 10	Leu	Lys	Gln	Val	Asn 15	Ser
Thr	Gln	His	Phe 20	Ser	His	Leu	Ser	Ala 25	Tyr	Leu	Ala	Ala	His 30	Ala	Ser
Leu	Arg	Phe 35	Ala	Cys	Leu	Leu	Leu 40	Leu	Phe	Asn	Arg	Phe 45	Phe	Gly	Arg
Gln	Trp 50	Ile	Phe	Leu	Leu	Arg 55	Leu	Cys	Leu	Leu	Gln 60	Phe	Arg	Leu	Ile
Glu 65	Phe	Leu	Asp	Leu	Ser 70	His	Ile	Gly	Phe	Val 75	Arg	His	Gly	Cys	Gly 80
Gly	Lys	Ala	Lys	Arg 85	Gly	Ala	Arg	Val	Arg 90	Ala	Thr	Val	Pro	Arg 95	Val
Ser	Pro	Gln	Trp 100												

<210> 200

<211> 153

<212> PRT

<213> Homo sapiens

<400> 200

Gly 1	Leu	Thr	Asp	Gln 5	Tyr	Leu	Glu	Leu	Asn 10	Ala	Leu	Gln	Glu	Glu 15	Leu
Gly	Pro	Phe	Gly	Leu	Val	Ile	Leu	Gly	Phe	Pro	Ser	Asn	Gln	Phe	Gly

20							25					30				
Lys	Gln	Glu 35	Pro	Gly	Glu	Asn	Ser 40	Glu	Ile	Leu	Pro	Ser 45	Leu	Lys	Tyr	
Val	Arg 50	Pro	Gly	Gly	Gly	Phe 55	Val	Pro	Asn	Phe	Gln 60	Leu	Phe	Glu	Lys	
Gly 65	Asp	Val	Asn	Gly	Glu 70	Lys	Glu	Gln	Lys	Phe 75	Tyr	Thr	Phe	Leu	Lys 80	
Asn	Ser	Cys	Pro	Pro 85	Thr	Ala	Glu	Leu	Leu 90	Gly	Ser	Pro	Gly	Arg 95	Leu	
Phe	Trp	Glu	Pro 100	Met	Lys	Ile	His	Asp 105	Ile	Arg	Trp	Asn	Phe 110	Glu	Lys	
Phe	Leu	Val 115	Gly	Pro	Asp	Gly	Ile 120	Pro	Val	Met	Arg	Trp 125	Tyr	His	Arg	
Thr	Thr 130	Val	Ser	Asn	Val	Lys 135	Met	Asp	Ile	Leu	Ser 140	Tyr	Met	Arg	Arg	
Gln 145	Ala	Ala	Leu	Ser	Ala 150	Arg	Gly	Lys								
<210> 201																
<211> 249																
<212> PRT																
<213> Homo sapiens																
<400> 201																
Leu 1	Met	Pro	Pro	Pro 5	Tyr	Pro	Tyr	Pro	Leu 10	Pro	Ile	Met	Gln	Gly 15	Pro	
Arg	Arg	Gly	Ser 20	Ser	Gly	Arg	Lys	Pro 25	His	Ser	Gln	Ser	Phe 30	Tyr	Pro	
His	Pro	Arg 35	Phe	Ser	Phe	Leu	Leu 40	His	Lys	Arg	Gln	Ala 45	Trp	His	Asn	
Cys	Val 50	Ser	Glu	Pro	Leu	Trp 55	Thr	Arg	Asp	Asn	Cys 60	Pro	Ser	Val	Cys	
Met 65	Ala	Thr	Gln	Pro	Arg 70	Ile	Cys	Leu	Leu	Glu 75	Thr	Gln	Gly	Trp	Ser 80	
Ile	Cys	Val	Tyr	Gly 85	Leu	Ala	Gln	His	Pro 90	His	Ile	Phe	Phe	Ser 95	Phe	
Leu	Phe	Gln	Met 100	Ser	Pro	Lys	Glu	Thr 105	Gln	Val	Leu	Gly	Pro 110	Met	Val	
Leu	Leu	Lys 115	Pro	Glu	His	His	Ser 120	Trp	Gly	Gln	His	Leu 125	Pro	His	Ala	
His	Thr 130	Thr	His	His	Gln	Pro 135	Pro	Ser	Ser	Phe	Leu 140	Lys	Asp	Pro	Pro	
Glu 145	Pro	Pro	Ser	Pro	Ser 150	His	Ser	Ala	Pro	Glu 155	Thr	Ser	Gln	Asp	Asn 160	

Cys	Glu	Arg	Asp	Gly 165	Arg	Val	Pro	Gln	Val 170	Arg	Gly	Gly	Val	Ser 175	Met
Lys	Glu	Gly	Pro 180	Glu	Ala	Leu	Val	Gly 185	Gly	Pro	Pro	Leu	Ser 190	Pro	Ser
Val	Val	Pro 195	Ala	Leu	Ser	Ala	Phe 200	Arg	Leu	Arg	Leu	Pro 205	Gly	Arg	Asp
Thr	Thr 210	Pro	Ala	Pro	Leu	Glu 215	Asp	Met	Leu	Ser	Ser 220	His	Ser	Val	His
Trp 225	Tyr	Leu	Asn	Thr	Pro 230	Ile	Cys	Pro	Val	Lys 235	Val	Phe	Leu	Gln	Gln 240
Lys	Lys	Lys	Arg	Lys 245	Lys	Lys	Lys	Lys							

<210> 202
 <211> 156
 <212> PRT
 <213> Homo sapiens

<400> 202

Ala 1	Gly	Leu	Ser	Ala 5	Pro	Pro	Pro	Ala	Pro 10	Leu	Leu	Cys	Arg	Ala 15	Gln
Ala	Pro	Leu	Ala 20	Leu	Gly	Pro	Asn	Phe 25	Ser	Tyr	Arg	His	Gly 30	Val	Arg
Pro	Gly	Ser 35	Ser	Pro	Gly	Ala	His 40	Leu	Pro	Glu	Ala	Arg 45	Cys	Gly	Gly
Gly	Pro 50	Arg	Gly	Arg	Ser	Gln 55	Ala	Gln	Ser	Pro	Gln 60	Ser	Ser	Gly	Pro
Val 65	Gly	Gly	Arg	Gly	Arg 70	Ser	Gly	Ser	Lys	Ala 75	Arg	Thr	Pro	Gln	Leu 80
Phe	Arg	Leu	Gln	Gln 85	Gln	Leu	Gln	Arg	Phe 90	Gly	His	Gly	Cys	Glu 95	Val
Pro	Arg	Cys	Trp 100	Leu	Gln	Ala	Ala	Arg 105	Glu	His	Pro	Gly	Gln 110	Gly	Gln
Glu	Ala	Gln 115	Ser	Glu	Glu	Glu	Gly 120	Glu	Gly	Gln	Glu	Gly 125	Glu	Gly	Gln
Glu	Glu 130	Gly	Gly	Ser	Pro	Leu 135	Lys	Gly	Pro	Gly	Gln 140	Gly	Ser	Leu	Asn
Leu 145	Pro	Leu	Cys	Leu	Arg 150	Val	Pro	Thr	Thr	Trp 155	Ser				

<210> 203
 <211> 113
 <212> PRT
 <213> Homo sapiens

<400> 203

Asp	Pro	Thr	Ser	Leu	Thr	Ala	Met	Glu	Phe	Asp	Leu	Gly	Ala	Ala	Leu
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

<210>	205
<211>	145

<212> PRT

<213> Homo sapiens

<400> 205

Val 1	Glu	Pro	Trp	Thr 5	Thr	Cys	Arg	Ala	Ala 10	Gly	Ala	Val	Met	Ala 15	Asp	
Tyr	Trp	Lys	Ser 20	Gln	Pro	Lys	Lys	Phe 25	Cys	Asp	Tyr	Cys	Lys 30	Cys	Trp	
Ile	Ala	Asp 35	Asn	Arg	Pro	Ser	Val 40	Glu	Phe	His	Glu	Arg 45	Gly	Lys	Asn	
His	Lys 50	Glu	Asn	Val	Ala	Lys 55	Arg	Ile	Ser	Glu	Ile 60	Lys	Gln	Lys	Ser	
Leu 65	Asp	Lys	Ala	Lys	Glu 70	Glu	Glu	Lys	Ala	Ser 75	Lys	Glu	Phe	Ala	Ala 80	
Met	Glu	Ala	Ala	Ala 85	Leu	Lys	Ala	Tyr	Gln 90	Glu	Asp	Leu	Lys	Arg 95	Leu	
Gly	Leu	Glu	Ser 100	Glu	Ile	Leu	Glu	Pro 105	Ser	Ile	Thr	Pro	Val 110	Thr	Ser	
Thr	Ile	Pro 115	Pro	Thr	Ser	Thr	Ser 120	Asn	Gln	Gln	Lys	Glu 125	Lys	Lys	Glu	
Lys	Lys 130	Lys	Lys	Arg	Ser	Phe 135	Lys	Gly	Gln	Met	Gly 140	Arg	Arg	His	Asn	
Leu 145																

<210> 206

<211> 262

<212> PRT

<213> Homo sapiens

<400> 206

Pro 1	Ala	Leu	Ser	His 5	Leu	Pro	Arg	His	Gln 10	Ile	Asn	Arg	Lys	Lys 15	Arg	
Lys	Arg	Arg	Arg 20	Lys	Lys	Asp	Pro	Ser 25	Lys	Gly	Arg	Trp	Val 30	Glu	Gly	
Ile	Thr	Ser 35	Glu	Gly	Tyr	His	Tyr 40	Tyr	Tyr	Asp	Leu	Ile 45	Ser	Gly	Ala	
Ser	Gln 50	Trp	Glu	Lys	Pro	Glu 55	Gly	Phe	Gln	Gly	Asp 60	Leu	Lys	Lys	Thr	
Ala 65	Val	Lys	Thr	Val	Trp 70	Val	Glu	Gly	Leu	Ser 75	Glu	Asp	Gly	Phe	Thr 80	
Tyr	Tyr	Tyr	Asn	Thr 85	Glu	Thr	Gly	Glu	Ser 90	Arg	Trp	Glu	Lys	Pro 95	Asp	
Asp	Phe	Ile	Pro 100	His	Thr	Ser	Asp	Leu 105	Pro	Ser	Ser	Lys	Val 110	Asn	Glu	

Asn	Ser	Leu 115	Gly	Thr	Leu	Asp	Glu 120	Ser	Lys	Ser	Ser	Asp 125	Ser	His	Ser
Asp	Ser 130	Asp	Gly	Glu	Gln	Glu 135	Ala	Glu	Glu	Gly	Gly 140	Val	Ser	Thr	Glu
Thr 145	Glu	Lys	Pro	Lys	Ile 150	Lys	Phe	Lys	Glu	Lys 155	Asn	Lys	Asn	Ser	Asp 160
Gly	Gly	Ser	Asp	Pro 165	Glu	Thr	Gln	Lys	Glu 170	Lys	Ser	Ile	Gln	Lys 175	Gln
Asn	Ser	Leu	Gly 180	Ser	Asn	Glu	Glu	Lys 185	Ser	Lys	Thr	Leu	Lys 190	Lys	Ser
Asn	Pro	Tyr 195	Gly	Glu	Trp	Gln	Glu 200	Ile	Lys	Gln	Glu	Val 205	Glu	Ser	His
Glu	Glu 210	Val	Asp	Leu	Glu	Leu 215	Pro	Ser	Thr	Glu	Asn 220	Glu	Tyr	Val	Ser
Thr 225	Ser	Glu	Ala	Asp	Gly 230	Gly	Gly	Glu	Pro	Lys 235	Val	Val	Phe	Lys	Glu 240
Lys	Thr	Val	Thr	Ser 245	Leu	Gly	Val	Met	Ala 250	Asp	Gly	Val	Ala	Pro 255	Val
Phe	Lys	Lys	Arg 260	Arg	Thr										

<210> 207

<211> 73

<212> PRT

<213> Homo sapiens

<400> 207

Gly 1	Lys	Gly	Arg	Arg 5	Lys	Gly	Ile	Lys	Gly 10	Val	Cys	Cys	Asn	Gly 15	Gly
Ser	Cys	Pro	Glu 20	Ser	Ile	Pro	Arg	Gly 25	Phe	Glu	Lys	Thr	Trp 30	Leu	Arg
Val	Arg	Asn 35	Phe	Gly	Ala	Lys	His 40	Asn	Thr	Ser	Asn	Gln 45	His	Tyr	Pro
Thr	Tyr 50	Leu	Asp	Ile	Lys	Ser 55	Thr	Glu	Arg	Lys	Glu 60	Arg	Glu	Glu	Glu
Lys 65	Lys	Ile	Leu	Gln	Arg 70	Ala	Asp	Gly							

<210> 208

<211> 68

<212> PRT

<213> Homo sapiens

<400> 208

Ile 1	Trp	Asn	Phe	Gln 5	Ala	Leu	Lys	Met	Ser 10	Met	Tyr	Gln	Leu	Gln 15	Lys
Leu	Met	Val	Ala	Glu	Asn	Pro	Lys	Trp	Tyr	Leu	Lys	Lys	Lys	Gln	Ser

20								25				30			
Leu	Leu	Leu	Glu	Leu	Trp	Gln	Met	Glu	Trp	Pro	Gln	Ser	Ser	Lys	Arg
		35					40					45			
Glu	Glu	Leu	Glu	Asn	Gly	Lys	Ile	Leu	Gly	Lys	Phe	Lys	Gly	Asn	Glu
	50					55					60				
Val	Met	Ile	Gln												
65															

<210> 209

<400> 209

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<210> 210

<211> 194

<212> PRT

<213> Homo sapiens

<400> 210

Ser	Val	His	Cys	Phe	Arg	Glu	Asp	Lys	Met	Lys	Phe	Thr	Ile	Val	Phe
1				5					10					15	
Ala	Gly	Leu	Leu	Gly	Val	Phe	Leu	Ala	Pro	Ala	Leu	Ala	Asn	Tyr	Asn
			20					25					30		
Ile	Asn	Val	Asn	Asp	Asp	Asn	Asn	Asn	Ala	Gly	Ser	Gly	Gln	Gln	Ser
		35					40					45			
Val	Ser	Val	Asn	Asn	Glu	His	Asn	Val	Ala	Asn	Val	Asp	Asn	Asn	Asn
	50					55					60				
Gly	Trp	Asp	Ser	Trp	Asn	Ser	Ile	Trp	Asp	Tyr	Gly	Asn	Gly	Phe	Ala
65					70					75					80
Ala	Thr	Arg	Leu	Phe	Gln	Lys	Lys	Thr	Cys	Ile	Val	His	Lys	Met	Asn
				85					90					95	
Lys	Glu	Val	Met	Pro	Ser	Ile	Gln	Ser	Leu	Asp	Ala	Leu	Val	Lys	Glu
			100					105					110		
Lys	Lys	Leu	Gln	Gly	Lys	Gly	Pro	Gly	Gly	Pro	Pro	Pro	Lys	Gly	Leu
		115					120					125			
Met	Tyr	Ser	Val	Asn	Pro	Asn	Lys	Val	Asp	Asp	Leu	Ser	Lys	Phe	Gly
	130					135					140				
Lys	Asn	Ile	Ala	Asn	Met	Cys	Arg	Gly	Ile	Pro	Thr	Tyr	Met	Ala	Glu
145					150					155					160
Glu	Met	Gln	Glu	Ala	Ser	Leu	Phe	Phe	Tyr	Ser	Gly	Thr	Cys	Tyr	Thr
				165					170					175	
Thr	Ser	Val	Leu	Trp	Ile	Val	Asp	Ile	Ser	Phe	Cys	Gly	Asp	Thr	Val
			180					185					190		

Glu Asn

<210> 211

<211> 82

<212> PRT

<213> Homo sapiens

<400> 211

Val 1	His	Gln	Ala	Leu 5	Gly	Arg	Trp	Ser	Ser 10	Trp	Ser	Leu	Thr	Leu 15	Lys
Leu	Leu	Phe	Leu 20	Asp	Gln	Cys	Ile	Lys 25	Gly	Leu	Asn	Gly	Gly 30	His	Asp
Phe	Leu	Val 35	His	Phe	Val	His	Asn 40	Ala	Cys	Leu	Leu	Leu 45	Lys	Glu	Ser
Gly	Cys 50	Ser	Lys	Ala	Ile	Ser 55	Ile	Ile	Pro	Asp	Gly 60	Ile	Pro	Gly	Val
Pro 65	Ser	Val	Val	Ile	Val 70	Asn	Ile	Gly	His	Ile 75	Val	Phe	Ile	Val	Asp 80
Thr	His														

<210> 212

<211> 119

<212> PRT

<213> Homo sapiens

<400> 212

Glu 1	Leu	Gly	Leu	Asn 5	His	Leu	Trp	Leu	Arg 10	Val	Trp	Leu	Glu	Pro 15	Thr
Ala	Gln	Val	Pro 20	Asp	Val	Leu	Phe	Pro 25	Glu	Phe	Met	Glu	Arg 30	Glu	Glu
Lys	Ala	Val 35	Ser	Leu	Leu	Leu	Trp 40	Phe	Asn	Val	Lys	Glu 45	Pro	Gln	Leu
Pro	Pro 50	Leu	Pro	Gly	Arg	Glu 55	Ala	Phe	Gly	Phe	Leu 60	Leu	Leu	Leu	Leu
Ala 65	Leu	Val	Ala	Gly	Glu 70	Val	Leu	Gln	Asp	His 75	Arg	Leu	Ala	Leu	Gln 80
Leu	Val	Leu	Ala	Gly 85	Leu	Arg	Ala	His	Ala 90	Gly	Arg	Leu	Arg	Phe 95	Arg
Lys	Ala	Leu	Thr 100	Lys	Ala	Ser	Ala	Arg 105	Cys	Ala	Pro	Glu	Gly 110	Trp	Thr
Ser	Glu	Ser	Phe	Ala	Ser	Phe									

<210> 213

<211> 136

<212> PRT

<213> Homo sapiens

<400> 213

Ile 1	Ile	Cys	Gly	Cys 5	Val	Ser	Gly	Leu	Ser 10	Pro	Leu	His	Arg	Ser 15	Leu
Met	Tyr	Cys	Phe	Gln	Ser	Ser	Trp	Arg	Gly	Arg	Lys	Arg	Leu	Tyr	Leu

20								25				30			
Cys	Cys	Ser	Gly	Leu	Met	Ser	Lys	Ser	Arg	Ser	Ser	Leu	Leu	Cys	Leu
		35					40					45			
Ala	Glu	Lys	Pro	Leu	Ala	Phe	Phe	Phe	Phe	Ser	Leu	Arg	Leu	Trp	Arg
	50					55					60				
Val	Lys	Tyr	Ser	Arg	Thr	Thr	Ala	Leu	Arg	Cys	Ser	Trp	Ser	Ser	Arg
65					70					75					80
Ala	Cys	Gly	Leu	Met	Arg	Gly	Val	Cys	Ala	Ser	Gly	Arg	Pro	Ser	Arg
				85					90					95	
Arg	Pro	Arg	Pro	Ala	Val	Leu	Leu	Lys	Ala	Gly	His	Arg	Ser	His	Ser
			100					105					110		
Pro	Leu	Ser	Glu	Thr	Met	His	Gly	Arg	Ser	His	Ser	Ser	Phe	Ser	Asp
		115					120					125			
Arg	Phe	Arg	Arg	Ser	Leu	Met	Thr								
	130					135									

<210> 214
 <211> 101
 <212> PRT
 <213> Homo sapiens

<400> 214

Thr	Leu	Glu	Thr	Val	His	Gln	Gly	Pro	Val	Gln	Trp	Ala	Gln	Ala	Arg
1				5					10					15	
His	Ala	Ala	Thr	Asp	Asp	Ser	Gly	Gln	Ala	Leu	Lys	Gly	Arg	Ser	Ser
			20					25					30		
Arg	Gly	Tyr	Tyr	Phe	Ser	Asp	Lys	Ile	Gln	Met	Pro	Leu	Leu	Cys	Gly
		35					40					45			
Tyr	Tyr	Arg	Asn	Pro	Ser	Thr	Gly	Asn	Lys	Ala	His	Phe	Gln	Asn	Tyr
	50					55					60				
His	Gln	Arg	Arg	Pro	Pro	Glu	Ser	Tyr	Pro	Gln	Ala	Lys	Leu	Arg	Val
65					70					75					80
His	Cys	Gly	Asn	Arg	Trp	Leu	Tyr	Phe	Leu	His	Leu	Arg	Glu	Gln	Ile
				85					90					95	
Pro	Ala	Ser	Val	Lys											
			100												

<210> 215
 <211> 204
 <212> PRT
 <213> Homo sapiens

<400> 215

Leu	Arg	Cys	Pro	Ala	Phe	Arg	Ser	Thr	Ala	Gly	Arg	Gly	Leu	Arg	Glu
1				5					10					15	
Gly	Leu	Pro	Glu	Ala	Gln	Thr	Pro	Arg	Met	Ser	Pro	Gln	Ala	Arg	Glu
			20					25					30		

Asp	Gln	Leu	Gln	Arg	Lys	Ala	Val	Val	Leu	Glu	Tyr	Phe	Thr	Arg	His
		35					40					45			
Lys	Arg	Lys	Glu	Lys	Lys	Lys	Lys	Ala	Lys	Gly	Phe	Ser	Ala	Arg	Gln
	50					55					60				
Arg	Arg	Glu	Leu	Arg	Leu	Phe	Asp	Ile	Lys	Pro	Glu	Gln	Gln	Arg	Tyr
65					70					75					80
Ser	Leu	Phe	Leu	Pro	Leu	His	Glu	Leu	Trp	Lys	Gln	Tyr	Ile	Arg	Asp
				85					90					95	
Leu	Cys	Ser	Gly	Leu	Lys	Pro	Asp	Thr	Gln	Pro	Gln	Met	Ile	Gln	Ala
			100					105					110		
Lys	Leu	Leu	Lys	Ala	Asp	Leu	His	Gly	Ala	Ile	Ile	Ser	Val	Thr	Lys
		115					120					125			
Ser	Lys	Cys	Pro	Ser	Tyr	Val	Gly	Ile	Thr	Gly	Ile	Leu	Leu	Gln	Glu
	130					135					140				
Thr	Lys	His	Ile	Phe	Lys	Ile	Ile	Thr	Lys	Glu	Asp	Arg	Leu	Lys	Val
145					150					155					160
Ile	Pro	Lys	Leu	Asn	Cys	Val	Phe	Thr	Val	Glu	Thr	Asp	Gly	Phe	Ile
				165					170					175	
Ser	Tyr	Ile	Tyr	Gly	Ser	Lys	Phe	Gln	Leu	Arg	Ser	Ser	Glu	Arg	Ser
			180					185					190		
Ala	Lys	Lys	Phe	Lys	Ala	Lys	Gly	Thr	Ile	Asp	Leu				
		195					200								

<210> 216

<211> 645

<212> PRT

<213> Homo sapiens

<400> 216

Pro	Thr	Arg	Pro	Val	Ala	Ala	Gly	Ser	Glu	Gln	Gln	Gln	Gln	Ser	Ala
1				5					10					15	
Phe	Ile	Gln	Glu	Arg	Gln	Pro	Val	Ala	Leu	Met	Arg	Leu	Leu	Ser	Phe
			20					25					30		
Asn	Val	Pro	His	Ile	Lys	Asn	Ser	Thr	Gly	Glu	Pro	Ile	Trp	Lys	Val
		35					40					45			
Leu	Ile	Tyr	Asp	Arg	Phe	Gly	Gln	Asp	Ile	Ile	Ser	Pro	Leu	Leu	Ser
	50					55					60				
Val	Lys	Glu	Leu	Arg	Asp	Met	Gly	Ile	Thr	Leu	His	Leu	Leu	Leu	His
65					70					75					80
Ser	Asp	Arg	Asp	Pro	Ile	Pro	Asp	Val	Pro	Ala	Val	Tyr	Phe	Val	Met
				85					90					95	
Pro	Thr	Glu	Glu	Asn	Ile	Asp	Arg	Met	Cys	Gln	Asp	Leu	Arg	Asn	Gln
			100					105					110		
Leu	Tyr	Glu	Ser	Tyr	Tyr	Leu	Asn	Phe	Ile	Ser	Ala	Ile	Ser	Arg	Ser

115						120						125			
Lys	Leu 130	Glu	Asp	Ile	Ala	Asn 135	Ala	Ala	Leu	Ala	Ala 140	Ser	Ala	Val	Thr
Gln 145	Val	Ala	Lys	Val	Phe 150	Asp	Gln	Tyr	Leu	Asn 155	Phe	Ile	Thr	Leu	Glu 160
Asp	Asp	Met	Phe	Val 165	Leu	Cys	Asn	Gln	Asn 170	Lys	Glu	Leu	Val	Ser 175	Tyr
Arg	Ala	Ile	Asn 180	Arg	Pro	Asp	Ile	Thr 185	Asp	Thr	Glu	Met	Glu 190	Thr	Val
Met	Asp	Thr 195	Ile	Val	Asp	Ser	Leu 200	Phe	Cys	Phe	Phe	Val 205	Thr	Leu	Gly
Ala	Val 210	Pro	Ile	Ile	Arg	Cys 215	Ser	Arg	Gly	Thr	Ala 220	Ala	Glu	Met	Val
Ala 225	Val	Lys	Leu	Asp	Lys 230	Lys	Leu	Arg	Glu	Asn 235	Leu	Arg	Asp	Ala	Arg 240
Asn	Ser	Leu	Phe	Thr 245	Gly	Asp	Thr	Leu	Gly 250	Ala	Gly	Gln	Phe	Ser 255	Phe
Gln	Arg	Pro	Leu 260	Leu	Val	Leu	Val	Asp 265	Arg	Asn	Ile	Asp	Leu 270	Ala	Thr
Pro	Leu	His 275	His	Thr	Trp	Thr	Tyr 280	Gln	Ala	Leu	Val	His 285	Asp	Val	Leu
Asp	Phe 290	His	Leu	Asn	Arg	Val 295	Asn	Leu	Glu	Glu	Ser 300	Ser	Gly	Val	Glu
Asn 305	Ser	Pro	Ala	Gly	Ala 310	Arg	Pro	Lys	Arg	Lys 315	Asn	Lys	Lys	Ser	Tyr 320
Asp	Leu	Thr	Pro	Val 325	Asp	Lys	Phe	Trp	Gln 330	Lys	His	Lys	Gly	Ser 335	Pro
Phe	Pro	Glu	Val 340	Ala	Glu	Ser	Val	Gln 345	Gln	Glu	Leu	Glu	Ser 350	Tyr	Arg
Ala	Gln	Glu 355	Asp	Glu	Val	Lys	Arg 360	Leu	Lys	Ser	Ile	Met 365	Gly	Leu	Glu
Gly	Glu 370	Asp	Glu	Gly	Ala	Ile 375	Ser	Met	Leu	Ser	Asp 380	Asn	Thr	Ala	Lys
Leu 385	Thr	Ser	Ala	Val	Ser 390	Ser	Leu	Pro	Glu	Leu 395	Leu	Glu	Lys	Lys	Arg 400
Leu	Ile	Asp	Leu	His 405	Thr	Asn	Val	Ala	Thr 410	Ala	Val	Leu	Glu	His 415	Ile
Lys	Ala	Arg	Lys 420	Leu	Asp	Val	Tyr	Phe 425	Glu	Tyr	Glu	Glu	Lys 430	Ile	Met
Ser	Lys	Thr 435	Thr	Leu	Asp	Lys	Ser 440	Leu	Leu	Asp	Ile	Ile 445	Ser	Asp	Pro
Asp	Ala	Gly	Thr	Pro	Glu	Asp	Lys	Met	Arg	Leu	Phe	Leu	Ile	Tyr	Tyr


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<210> 217
<211> 101
<212> PRT
<213> Homo sapiens
<400> 217
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Gly 1	Ala	Gly	Pro	Ser 5	Gln	Leu	Arg	Leu	His 10	Tyr	Pro	Arg	Ile	Ser 15	Met
Ala	Val	Arg	Gln 20	Trp	Val	Ile	Ala	Leu 25	Ala	Leu	Ala	Ala	Leu 30	Leu	Val
Val	Asp	Arg 35	Glu	Val	Pro	Val	Ala 40	Ala	Gly	Lys	Leu	Pro 45	Phe	Ser	Arg
Met	Pro 50	Ile	Cys	Glu	His	Met 55	Val	Glu	Ser	Pro	Thr 60	Cys	Ser	Gln	Met
Ser 65	Asn	Leu	Val	Cys	Gly 70	Thr	Asp	Gly	Leu	Thr 75	Tyr	Thr	Asn	Glu	Cys 80
Gln	Leu	Cys	Leu	Ala 85	Arg	Ile	Lys	Thr	Lys 90	Gln	Asp	Ile	Gln	Ile 95	Met

Lys Asp Gly Lys Cys
100

<210> 218
<211> 123
<212> PRT
<213> Homo sapiens

<400> 218

Gln 1	Leu	Gly	Trp	Ile 5	Phe	Tyr	Phe	Met	Ser 10	Tyr	Pro	Leu	His	Ala 15	His
His	Cys	Ser	Pro 20	Ala	Asp	Thr	Ser	Trp 25	Leu	Glu	Val	Leu	Leu 30	Trp	Asp
Gln	His	Leu 35	Pro	Ser	Phe	Met	Ile 40	Trp	Met	Ser	Cys	Leu 45	Val	Phe	Ile
Arg	Ala 50	Lys	Gln	Ser	Trp	His 55	Ser	Phe	Val	Tyr	Val 60	Ser	Pro	Ser	Val
Pro 65	Gln	Thr	Arg	Leu	Asp 70	Ile	Trp	Glu	Gln	Val 75	Gly	Asp	Ser	Thr	Met 80
Cys	Ser	Gln	Met	Gly 85	Ile	Leu	Glu	Lys	Gly 90	Ser	Phe	Pro	Ala	Ala 95	Thr
Gly	Thr	Ser	Leu 100	Ser	Thr	Thr	Arg	Arg 105	Ala	Ala	Lys	Ala	Arg 110	Ala	Ile
Thr	His	Trp 115	Arg	Thr	Ala	Met	Leu 120	Ile	Leu	Gly					

<210> 219
<211> 64
<212> PRT
<213> Homo sapiens

<400> 219

Ile 1	Lys	Ala	Lys	Phe 5	Asn	Leu	Asn	Ala	Phe 10	Phe	Phe	Phe	Phe	Leu 15	Leu
Arg	Ser	Glu	Ile 20	Gly	Thr	Val	Ile	Leu 25	Ser	Thr	Glu	Arg	Gln 30	Thr	Ile
Lys	Trp	Ala 35	Met	Lys	Gly	Gly	Gly 40	Lys	Val	Leu	Ser	Ile 45	Val	Arg	Gly
Ile 50	Gln	Pro	Glu	Ile	Lys	Pro 55	Ile	Tyr	Lys	His	Val 60	Cys	Ser	Ser	Lys

<210> 220
<211> 67
<212> PRT
<213> Homo sapiens

<400> 220

Ser 1	Phe	Ala	Ile	Pro 5	Phe	Pro	Trp	His	Cys 10	Thr	Ile	Ser	Pro	Ile 15	Ile
----------	-----	-----	-----	----------	-----	-----	-----	-----	-----------	-----	-----	-----	-----	-----------	-----

Gly	Gln	Ser	Leu 20	Gly	Phe	Leu	Gly	Phe 25	Thr	Met	Val	Ala	Thr 30	Thr	Ile
Arg	Leu	Ile 35	Asp	Gly	Ser	Asn	Leu 40	Lys	Lys	Lys	Val	Met 45	Val	Met	Asp
Lys	Ile 50	Ser	Arg	Ser	Arg	Glu 55	Val	Cys	Tyr	His	Lys 60	Ile	Thr	Val	Ala
Ser 65	Thr	Ser													

<210> 221
 <211> 117
 <212> PRT
 <213> Homo sapiens

<400> 221

Thr 1	Ile	Ile	Ser	Ser 5	Ile	Thr	Asp	Ser	Gln 10	Leu	Gln	Glu	Val	Ala 15	Glu
Gln	Leu	Glu	Ile 20	Phe	Ala	Ala	Leu	His 25	Glu	Val	Leu	His	Ile 30	Ile	Asn
Asp	Arg	Lys 35	Asn	Leu	Lys	Gly	Gly 40	Leu	Gln	Glu	Val	Ala 45	Glu	Gln	Leu
Glu	Leu 50	Glu	Arg	Ile	Gly	Pro 55	Gln	His	Gln	Ala	Gly 60	Ser	Asp	Ser	Leu
Leu 65	Thr	Gly	Met	Ala	Phe 70	Phe	Lys	Met	Arg	Glu 75	Met	Phe	Phe	Glu	Asp 80
His	Ile	Asp	Asp	Ala 85	Lys	Tyr	Cys	Gly	His 90	Leu	Tyr	Gly	Leu	Gly 95	Ser
Gly	Ser	Ser	Tyr 100	Val	Gln	Asn	Gly	Thr 105	Gly	Asn	Ala	Tyr	Glu 110	Glu	Glu
Ala	Asn	Lys 115	Gln	Ser											

<210> 222
 <211> 196
 <212> PRT
 <213> Homo sapiens

<400> 222

Pro 1	Thr	Cys	Pro	Ile 5	Gln	His	Phe	Ile	Met 10	Met	Lys	Leu	Trp	Val 15	Pro
Ser	Arg	Ser	Leu 20	Pro	Asn	Ser	Pro	Asn 25	His	Tyr	Arg	Ser	Phe 30	Leu	Ser
His	Thr	Leu 35	His	Ile	Arg	Tyr	Asn 40	Asn	Ser	Leu	Phe	Ile 45	Ser	Asn	Thr
His	Leu 50	Ser	Arg	Arg	Lys	Leu 55	Arg	Val	Thr	Asn	Pro 60	Ile	Tyr	Thr	Arg
Lys	Arg	Ser	Leu	Asn	Ile	Phe	Tyr	Leu	Leu	Ile	Pro	Ser	Cys	Arg	Thr

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<210> 223
<211> 174
<212> PRT
<213> Homo sapiens
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Leu 1	Pro	Ser	Ala	Ile 5	Glu	Gly	Pro	Thr	Pro 10	Val	Ser	Ala	Leu	Leu 15	His
Ser	Ser	Thr	Ile 20	Val	Val	Ala	Gly	Ile 25	Phe	Leu	Leu	Val	Arg 30	Phe	His
Pro	Leu	Thr 35	Thr	Asn	Asn	Asn	Phe 40	Ile	Leu	Thr	Thr	Ile 45	Leu	Cys	Leu
Gly	Ala 50	Leu	Thr	Thr	Leu	Phe 55	Thr	Ala	Ile	Cys	Ala 60	Leu	Thr	Gln	Asn
Asp 65	Ile	Lys	Lys	Ile	Ile 70	Ala	Phe	Ser	Thr	Ser 75	Ser	Gln	Leu	Gly	Leu 80
Ile	Ile	Val	Thr	Leu 85	Gly	Ile	Asn	Gln	Pro 90	His	Leu	Ala	Phe	Leu 95	His
Ile	Cys	Thr	His 100	Ala	Phe	Phe	Lys	Ala 105	Ile	Leu	Phe	Ile	Cys 110	Ser	Gly
Ser	Ile	Ile 115	His	Ser	Leu	Ala	Asp 120	Glu	Gln	Asp	Ile	Arg 125	Lys	Ile	Gly
Asn	Ile 130	Thr	Lys	Ile	Ile	Pro 135	Phe	Thr	Ser	Ser	Cys 140	Leu	Val	Ile	Gly
Ser 145	Leu	Ala	Leu	Thr	Gly 150	Ile	Pro	Phe	Leu	Thr 155	Gly	Phe	Tyr	Ser	Lys 160

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<210> 224
<211> 123
<212> PRT
<213> Homo sapiens
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<400> 224

Phe 1	Leu	Lys	Thr	Thr 5	Ala	Leu	Ile	Ile	Ser 10	Val	Leu	Gly	Phe	Leu 15	Ile
Ala	Leu	Glu	Leu 20	Asn	Asn	Leu	Thr	Ile 25	Lys	Leu	Ser	Ile	Asn 30	Lys	Ala
Asn	Pro	Tyr 35	Ser	Ser	Phe	Ser	Thr 40	Leu	Leu	Gly	Phe	Phe 45	Pro	Ser	Ile
Ile	His 50	Arg	Ile	Thr	Pro	Ile 55	Lys	Ser	Leu	Asn	Leu 60	Ser	Leu	Lys	Thr
Ser 65	Leu	Thr	Leu	Leu	Asp 70	Leu	Ile	Trp	Leu	Glu 75	Lys	Thr	Ile	Pro	Lys 80
Ser	Thr	Ser	Thr	Leu 85	His	Thr	Asn	Ile	Thr 90	Thr	Leu	Thr	Thr	Asn 95	Gln
Lys	Gly	Leu	Ile 100	Lys	Leu	Tyr	Phe	Ile 105	Ser	Phe	Leu	Ile	Asn 110	Ile	Ile
Leu	Ile	Ile 115	Ile	Leu	Tyr	Ser	Ile 120	Asn	Leu	Glu					

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<210> 225
<211> 129
<212> PRT
<213> Homo sapiens
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<400> 225

Asn 1	Met	Leu	Leu	Ala 5	Glu	Val	Arg	Ile	Ser 10	Met	Val	Ile	Arg	Asn 15	Ser
Val	Arg	Tyr	Leu 20	Met	Asn	Arg	Leu	Met 25	Phe	Gly	Ser	Glu	Cys 30	Ile	Tyr
His	Glu	Glu 35	Asn	Cys	Ile	Ile	Asp 40	His	Val	Thr	Lys	Arg 45	Ala	Thr	Asp
Val	Asn 50	Arg	Ile	Glu	Lys	Lys 55	Ser	Val	Leu	Lys	Leu 60	Ile	Leu	Ser	Ser
Ile 65	Glu	Phe	Met	Val	Thr 70	Gln	Cys	Gln	Val	Val 75	Ile	Ile	Tyr	Ser	Ile 80
Leu	Leu	Trp	Lys	Asn 85	Ile	Asn	Arg	Gly	Lys 90	Arg	Leu	Ile	Met	Lys 95	Glu
Asn	Leu	Ile	Asp 100	Val	Val	Val	Tyr	Ser 105	Gly	Lys	Leu	Met	Cys 110	Leu	Ile
Arg	Phe	Asp	Ile	Glu	Ile	Arg	Ile	Gly	Asp	Ser	Arg	Arg	Met	Lys	Ile

115

120

125

Lys

<210> 226
 <211> 83
 <212> PRT
 <213> Homo sapiens

<400> 226

Phe 1	Phe	Phe	Phe	Phe 5	Phe	Phe	Ala	Ile	Gln 10	Met	Asn	Val	Tyr	Phe 15	Leu
Asn	Pro	His	Arg 20	Val	Arg	Ala	Glu	Leu 25	Arg	Asp	Ala	Trp	His 30	Ser	Ile
Ser	His	Pro 35	Gly	Ser	Leu	Pro	Arg 40	Ser	Phe	Phe	Phe	Ala 45	Gly	Ser	Ile
Leu	Asp 50	Leu	Tyr	His	Phe	Leu 55	Gln	Arg	Gln	Tyr	Pro 60	Glu	Trp	Gln	Ser
Gln 65	Val	Tyr	Phe	Lys	Val 70	Gly	Val	Phe	Ser	Gly 75	Ser	Arg	Gly	Asp	Trp 80
Ile	Pro	Ser													

<210> 227
 <211> 122
 <212> PRT
 <213> Homo sapiens

<400> 227

Ser 1	Met	Met	Leu	Phe 5	Lys	Val	Leu	Val	Ile 10	Thr	Val	Phe	Cys	Gly 15	Leu
Thr	Val	Ala	Phe 20	Pro	Leu	Ser	Glu	Leu 25	Val	Ser	Ile	Asn	Lys 30	Glu	Leu
Gln	Asn	Ser 35	Ile	Ile	Asp	Leu	Leu 40	Asn	Ser	Val	Phe	Asp 45	Gln	Leu	Gly
Ser	Tyr 50	Arg	Gly	Thr	Lys	Ala 55	Pro	Leu	Glu	Asp	Tyr 60	Thr	Asp	Asp	Asp
Leu 65	Ser	Thr	Asp	Ser	Glu 70	Gln	Ile	Met	Asp	Phe 75	Thr	Pro	Ala	Ala	Asn 80
Lys	Gln	Asn	Ser	Glu 85	Phe	Ser	Thr	Asp	Val 90	Glu	Thr	Val	Ser	Ser 95	Gly
Phe	Leu	Glu	Glu 100	Phe	Thr	Glu	Asn	Thr 105	Asp	Ile	Thr	Val	Lys 110	Ile	Pro
Leu	Ala	Gly 115	Asn	Pro	Val	Ser	Pro 120	Thr	Ser						

<210> 228
 <211> 62
 <212> PRT
 <213> Homo sapiens

<400> 228

Thr 1	Ser	Thr	Thr	Val 5	Phe	Phe	Phe	Pro	Phe 10	His	Leu	Ser	Leu	Pro 15	Val
Gly	Cys	Thr	Val 20	Cys	Ser	His	Ala	Leu 25	Cys	Ile	Asn	Ile	Leu 30	Glu	Ile
Tyr	Arg	Ser 35	Val	Leu	Tyr	Phe	Leu 40	Tyr	Cys	Trp	Ile	Leu 45	Ile	Ile	Lys
Thr	Phe 50	Thr	Arg	Val	Leu	Asn 55	Lys	Ser	Ser	Leu	Thr 60	Arg	Lys		

<210> 229

<211> 99

<212> PRT

<213> Homo sapiens

<400> 229

Ala 1	Arg	Pro	Cys	Met 5	Asn	Ser	Thr	Lys	Ala 10	Leu	Pro	His	Gly	Arg 15	Glu
His	Thr	Arg	Leu 20	Lys	Met	Leu	Ser	Tyr 25	Leu	Lys	Asn	Lys	Met 30	Cys	Lys
Ser	Ser	Gly 35	Trp	His	Lys	Thr	Lys 40	Val	Asn	Ala	Ser	Trp 45	Gly	Thr	Phe
Leu	Arg 50	Gly	Leu	Ala	Glu	Cys 55	Val	Asn	Ile	Ile	Asp 60	Phe	Cys	Leu	Cys
Tyr 65	Met	Thr	Ser	Val	Thr 70	Ser	Leu	Lys	Ile	Cys 75	Thr	Ile	Gln	Phe	Gln 80
Leu	Trp	Ile	Thr	Ser 85	Val	Asp	Leu	Cys	Glu 90	Gly	Phe	Tyr	Leu	Cys 95	Arg
Met	Gly	Val													

<210> 230

<211> 63

<212> PRT

<213> Homo sapiens

<400> 230

Gly 1	Glu	Leu	Gln	Lys 5	Ser	Ser	His	Tyr	His 10	Pro	Pro	Glu	Leu	Phe 15	Glu
Met	Ile	Phe	Phe 20	Val	His	Phe	Gly	Cys 25	Ser	Ile	Gly	Gly	Arg 30	Ile	Tyr
Tyr	Asn	Met 35	Asp	His	Leu	Tyr	Phe 40	Cys	Ile	Tyr	Leu	Phe 45	Ile	Thr	Arg
Pro	Gln 50	Pro	Gln	Ser	Ser	Phe 55	Ser	Pro	Ser	Thr	Ser 60	Leu	Cys	Leu	

<210> 231

<211> 64

<212> PRT
 <213> Homo sapiens

<400> 231

Ile	Asn	Lys	Tyr	Arg	Ser	Arg	Asp	Asp	Pro	Tyr	Tyr	Ser	Ile	Phe	Tyr
1				5					10					15	
His	Gln	Tyr	Cys	Ser	Gln	Asn	Val	Gln	Lys	Lys	Ser	Phe	Gln	Ile	Thr
			20					25					30		
Gln	Glu	Asp	Asp	Asn	Gly	Trp	Thr	Phe	Val	Ile	His	Leu	Lys	Asp	Cys
		35					40					45			
Gly	Arg	Ala	Asn	Ser	Thr	His	Cys	Ile	Val	Cys	Ala	Tyr	Gly	Gly	Leu
	50					55					60				

<210> 232
 <211> 88
 <212> PRT
 <213> Homo sapiens

<400> 232

Pro	Leu	Phe	Cys	Ala	Ile	Leu	Lys	Thr	Cys	Thr	Phe	Tyr	Phe	Ser	Asp
1				5					10					15	
Ser	Leu	Thr	Phe	Leu	Ile	Glu	Cys	Val	Leu	Tyr	His	Ala	Val	Met	Leu
			20					25					30		
Trp	Tyr	Tyr	Ser	Tyr	Arg	Val	Leu	Pro	Ile	Leu	Lys	Thr	Cys	His	Phe
		35					40					45			
Pro	Lys	Arg	Ser	Phe	Asp	Ser	Ala	Leu	Glu	Val	Leu	His	Lys	Leu	Lys
	50					55					60				
Ser	Leu	Ser	Asn	Ile	Asn	Met	Lys	Gly	Gly	Thr	Gly	Cys	Asn	Ile	Tyr
65					70					75					80
Ser	Gln	Val	Thr	Ser	Leu	Tyr	Ile								
				85											

<210> 233
 <211> 161
 <212> PRT
 <213> Homo sapiens

<400> 233

Ala	Ser	Thr	Ile	Met	Asp	Leu	Leu	Phe	Gly	Arg	Arg	Lys	Thr	Pro	Glu
1				5					10					15	
Glu	Leu	Leu	Arg	Gln	Asn	Gln	Arg	Ala	Leu	Asn	Arg	Ala	Met	Arg	Glu
			20					25					30		
Leu	Asp	Arg	Glu	Arg	Gln	Lys	Leu	Glu	Thr	Gln	Glu	Lys	Lys	Ile	Ile
		35					40					45			
Ala	Asp	Ile	Lys	Lys	Met	Ala	Lys	Gln	Gly	Gln	Met	Asp	Ala	Val	Arg
	50					55					60				
Ile	Met	Ala	Lys	Asp	Leu	Val	Arg	Thr	Arg	Arg	Tyr	Val	Arg	Lys	Phe
65					70					75					80

Val	Leu	Met	Arg	Ala 85	Asn	Ile	Gln	Ala	Val 90	Ser	Leu	Lys	Ile	Gln 95	Thr
Leu	Lys	Ser	Asn 100	Asn	Ser	Met	Ala	Gln 105	Ala	Met	Lys	Gly	Val 110	Thr	Lys
Ala	Met	Gly 115	Thr	Met	Asn	Arg	Gln 120	Leu	Lys	Leu	Pro	Gln 125	Ile	Gln	Lys
Ile	Met 130	Met	Glu	Phe	Glu	Arg 135	Gln	Ala	Glu	Ile	Met 140	Asp	Met	Lys	Glu
Glu 145	Arg	Ile	Glu	Leu	Leu 150	His	Leu	Met	Ile	Pro 155	Trp	Val	Leu	Gly	Lys 160

Phe

<210> 234
 <211> 120
 <212> PRT
 <213> Homo sapiens

<400> 234

Arg 1	Arg	Val	Arg	Thr 5	Lys	Ser	Phe	Ala	Met 10	Met	Arg	Thr	Ala	Ser 15	Ile
Trp	Pro	Cys	Leu 20	Ala	Ile	Phe	Leu	Met 25	Ser	Ala	Met	Ile	Phe 30	Phe	Ser
Trp	Val	Ser 35	Ser	Phe	Cys	Arg	Ser 40	Arg	Ser	Ser	Ser	Arg 45	Met	Ala	Arg
Phe	Arg 50	Ala	Leu	Trp	Phe	Cys 55	Arg	Ser	Ser	Ser	Ser	Gly 60	Val	Phe	Arg
Arg 65	Pro	Asn	Asn	Arg	Ser 70	Met	Met	Val	Glu	Ala 75	His	Trp	Gln	Ala	Gly 80
Ala	Gly	Thr	Asp	Thr 85	Arg	Phe	Arg	Phe	Arg 90	Val	Thr	Leu	Leu	Phe 95	Leu
Gly	Ser	Pro	Thr 100	Cys	Pro	Pro	Thr	Lys 105	Ala	Pro	Arg	Ser	Cys 110	Arg	Arg
Arg	Arg	Arg 115	Phe	Arg	Gly	Arg	Val 120								

<210> 235
 <211> 121
 <212> PRT
 <213> Homo sapiens

<400> 235

Lys 1	Leu	Pro	Gln	Asn 5	Pro	Arg	Asp	His	Gln 10	Met	Gln	Gln	Phe	Asn 15	Pro
Leu	Leu	Leu	His 20	Ile	His	Asp	Leu	Cys 25	Leu	Pro	Leu	Lys	Leu 30	His	His
Asp	Leu	Leu	Asp	Leu	Gly	Gln	Leu	Gln	Leu	Ser	Val	His	Gly	Ala	His

35						40					45				
Gly	Leu	Gly	Asp	Thr	Leu	His	Gly	Leu	Cys	His	Arg	Val	Val	Gly	Leu
	50					55					60				
Glu	Cys	Leu	Asp	Leu	Glu	Gly	His	Ser	Leu	Asp	Val	Gly	Pro	His	Gln
65					70					75					80
Tyr	Lys	Leu	Ala	His	Ile	Ala	Pro	Gly	Ala	His	Gln	Val	Phe	Cys	His
				85					90					95	
Asp	Ala	Asn	Ser	Ile	His	Leu	Ala	Leu	Leu	Gly	His	Leu	Leu	Asn	Val
			100					105					110		
Cys	Asn	Asp	Phe	Leu	Leu	Leu	Gly	Leu							
		115					120								

<210> 236

<211> 180

<212> PRT

<213> Homo sapiens

<400> 236

Lys	Thr	Lys	Arg	Ser	Val	Lys	Asp	Ala	Ala	Lys	Lys	Gly	Gln	Lys	Asp
1				5					10					15	
Val	Cys	Ile	Val	Leu	Ala	Lys	Glu	Met	Ile	Arg	Ser	Arg	Lys	Ala	Val
			20					25					30		
Ser	Lys	Leu	Tyr	Ala	Ser	Lys	Ala	His	Met	Asn	Ser	Val	Leu	Met	Gly
		35					40					45			
Met	Lys	Asn	Gln	Leu	Ala	Val	Leu	Arg	Val	Ala	Gly	Ser	Leu	Gln	Lys
	50					55					60				
Ser	Thr	Glu	Val	Met	Lys	Ala	Met	Gln	Ser	Leu	Val	Lys	Ile	Pro	Glu
65					70					75					80
Ile	Gln	Ala	Thr	Met	Arg	Glu	Leu	Ser	Lys	Glu	Met	Met	Lys	Ala	Gly
				85					90					95	
Ile	Ile	Glu	Glu	Met	Leu	Glu	Asp	Thr	Phe	Glu	Ser	Met	Asp	Asp	Gln
			100					105					110		
Glu	Glu	Met	Glu	Glu	Glu	Ala	Glu	Met	Glu	Ile	Asp	Arg	Ile	Leu	Phe
		115					120					125			
Glu	Ile	Thr	Ala	Gly	Ala	Leu	Gly	Lys	Ala	Pro	Ser	Lys	Val	Thr	Asp
	130					135					140				
Ala	Leu	Pro	Glu	Pro	Glu	Pro	Pro	Gly	Ala	Met	Ala	Ala	Ser	Glu	Asp
145					150					155					160
Glu	Gly	Glu	Glu	Glu	Glu	Ala	Leu	Glu	Ala	Met	Gln	Ser	Arg	Leu	Ala
				165					170					175	
Thr	Leu	Arg	Ser												
			180												

<210> 237

<211> 111

<212> PRT

<213> Homo sapiens

<400> 237

Leu 1	Met	Pro	Phe	Gln 5	Ser	Gln	Asn	Leu	Gln 10	Glu	Arg	Trp	Leu	Pro 15	Gln
Arg	Met	Arg	Gly 20	Arg	Arg	Lys	Arg	Leu 25	Trp	Arg	Pro	Cys	Ser 30	Pro	Gly
Trp	Pro	His 35	Ser	Ala	Ala	Arg	Gly 40	Cys	Leu	Pro	Arg	Trp 45	Val	Cys	Thr
His	Ser 50	Ser	Gln	Glu	Leu	Pro 55	Phe	Tyr	Val	Ser	Leu 60	Ala	Leu	His	Leu
Cys 65	Cys	Glu	Asp	Tyr	His 70	Phe	Gly	Glu	Gly	Ser 75	Val	Cys	Leu	Phe	Ser 80
Phe	Ser	Ala	Gln	Val 85	Leu	Gly	Ser	Gln	Arg 90	Asp	Cys	Ser	Tyr	Lys 95	Ser
Gly	Ile	Asn	Lys 100	Cys	Ile	Ile	Phe	Arg 105	Lys	Lys	Lys	Lys	Lys 110	Lys	

<210> 238

<211> 103

<212> PRT

<213> Homo sapiens

<400> 238

Lys 1	Ile	Cys	Glu	Arg 5	Cys	Cys	Gln	Glu	Gly 10	Pro	Glu	Gly	Cys	Leu 15	His
Ser	Ser	Gly	Gln 20	Gly	Asp	Asp	Gln	Val 25	Lys	Glu	Gly	Cys	Glu 30	Gln	Ala
Val	Cys	Ile 35	Gln	Ser	Thr	His	Glu 40	Leu	Ser	Ala	His	Gly 45	Asp	Glu	Glu
Pro	Ala 50	Arg	Gly	Leu	Ala	Ser 55	Gly	Trp	Phe	Pro	Ala 60	Glu	Glu	His	Arg
Ser 65	Asp	Glu	Gly	His	Ala 70	Lys	Ser	Cys	Glu	Asp 75	Ser	Arg	Asp	Ser	Gly 80
His	His	Glu	Gly	Val 85	Val	Gln	Arg	Asn	Asp 90	Glu	Gly	Trp	Asp	His 95	Arg
Gly	Asp	Val	Arg 100	Gly	His	Phe									

<210> 239

<211> 351

<212> PRT

<213> Homo sapiens

<400> 239

Thr 1	Trp	Cys	Thr	Thr 5	Thr	Met	Leu	Ala	Ala 10	Arg	Leu	Val	Cys	Leu 15	Arg
----------	-----	-----	-----	----------	-----	-----	-----	-----	-----------	-----	-----	-----	-----	-----------	-----

Thr	Leu	Pro	Ser 20	Arg	Val	Phe	His	Pro 25	Ala	Phe	Thr	Lys	Ala 30	Ser	Pro
Val	Val	Lys 35	Asn	Ser	Ile	Thr	Lys 40	Asn	Gln	Trp	Leu	Leu 45	Thr	Pro	Ser
Arg	Glu 50	Tyr	Ala	Thr	Lys	Thr 55	Arg	Ile	Gly	Ile	Arg 60	Arg	Gly	Arg	Thr
Gly 65	Gln	Glu	Leu	Lys	Glu 70	Ala	Ala	Leu	Glu	Pro 75	Ser	Met	Glu	Lys	Ile 80
Phe	Lys	Ile	Asp	Gln 85	Met	Gly	Arg	Trp	Phe 90	Val	Ala	Gly	Gly	Ala 95	Ala
Val	Gly	Leu	Gly 100	Ala	Leu	Cys	Tyr	Tyr 105	Gly	Leu	Gly	Leu	Ser 110	Asn	Glu
Ile	Gly	Ala 115	Ile	Glu	Lys	Ala	Val 120	Ile	Trp	Pro	Gln	Tyr 125	Val	Lys	Asp
Arg	Ile 130	His	Ser	Thr	Tyr	Met 135	Tyr	Leu	Ala	Gly	Ser 140	Ile	Gly	Leu	Thr
Ala 145	Leu	Ser	Ala	Ile	Ala 150	Ile	Ser	Arg	Thr	Pro 155	Val	Leu	Met	Asn	Phe 160
Met	Met	Arg	Gly	Ser 165	Trp	Val	Thr	Ile	Gly 170	Val	Thr	Phe	Ala	Ala 175	Met
Val	Gly	Ala	Gly 180	Met	Leu	Val	Arg	Ser 185	Ile	Pro	Tyr	Asp	Gln 190	Ser	Pro
Gly	Pro	Lys 195	His	Leu	Ala	Trp	Leu 200	Leu	His	Ser	Gly	Val 205	Met	Gly	Ala
Val	Val 210	Ala	Pro	Leu	Thr	Ile 215	Leu	Gly	Gly	Pro	Leu 220	Leu	Ile	Arg	Ala
Ala 225	Trp	Tyr	Thr	Ala	Gly 230	Ile	Val	Gly	Gly	Leu 235	Ser	Thr	Val	Ala	Met 240
Cys	Ala	Pro	Ser	Glu 245	Lys	Phe	Leu	Asn	Met 250	Gly	Ala	Pro	Leu	Gly 255	Val
Gly	Leu	Gly	Leu 260	Val	Phe	Val	Ser	Ser 265	Leu	Gly	Ser	Met	Phe 270	Leu	Pro
Pro	Thr	Thr 275	Val	Ala	Gly	Ala	Thr 280	Leu	Tyr	Ser	Val	Ala 285	Met	Tyr	Gly
Gly	Leu 290	Val	Leu	Phe	Ser	Met 295	Phe	Leu	Leu	Tyr	Asp 300	Thr	Gln	Lys	Val
Ile 305	Lys	Arg	Ala	Glu	Val 310	Ser	Pro	Met	Tyr	Gly 315	Val	Gln	Lys	Tyr	Asp 320
Pro	Ile	Asn	Ser	Met 325	Leu	Ser	Ile	Tyr	Met 330	Asp	Thr	Leu	Asn	Ile 335	Phe
Met	Arg	Val	Ala 340	Thr	Met	Leu	Ala	Thr 345	Gly	Gly	Asn	Arg	Lys 350	Lys	

<210> 240
 <211> 147
 <212> PRT
 <213> Homo sapiens

<400> 240

Arg 1	Val	Ala	Pro	Ala 5	Thr	Val	Val	Gly	Gly 10	Arg	Asn	Ile	Asp	Pro 15	Asn
Glu	Asp	Thr	Lys 20	Thr	Arg	Pro	Arg	Pro 25	Thr	Pro	Arg	Gly	Ala 30	Pro	Met
Phe	Arg	Asn 35	Phe	Ser	Leu	Gly	Ala 40	His	Met	Ala	Thr	Val 45	Glu	Arg	Pro
Pro	Thr 50	Met	Pro	Ala	Val	Tyr 55	His	Ala	Ala	Leu	Met 60	Arg	Arg	Gly	Pro
Pro 65	Asn	Ile	Val	Arg	Gly 70	Ala	Thr	Thr	Ala	Pro 75	Ile	Thr	Pro	Glu	Cys 80
Ser	Asn	Gln	Ala	Arg 85	Cys	Phe	Gly	Pro	Gly 90	Leu	Trp	Ser	Tyr	Gly 95	Ile
Asp	Arg	Thr	Ser 100	Ile	Pro	Ala	Pro	Thr 105	Met	Ala	Ala	Lys	Val 110	Thr	Pro
Ile	Val	Thr 115	Gln	Glu	Pro	Leu	Ile 120	Met	Lys	Phe	Met	Arg 125	Thr	Gly	Val
Leu 130	Leu	Ile	Ala	Met	Ala	Asp 135	Lys	Ala	Val	Lys	Pro 140	Ile	Leu	Pro	Ala
Lys 145	Tyr	Ile													

<210> 241
 <211> 196
 <212> PRT
 <213> Homo sapiens

<400> 241

Lys 1	Ala	Arg	Arg	Arg 5	Gly	Thr	Met	Ala	Ala 10	Ala	Ala	Asp	Glu	Arg 15	Ser
Pro	Glu	Asp	Gly 20	Glu	Asp	Glu	Glu	Glu 25	Glu	Glu	Gln	Leu	Val 30	Leu	Val
Glu	Leu	Ser 35	Gly	Ile	Ile	Asp	Ser 40	Asp	Phe	Leu	Ser	Lys 45	Cys	Glu	Asn
Lys	Cys 50	Lys	Val	Leu	Gly	Ile 55	Asp	Thr	Glu	Arg	Pro 60	Ile	Leu	Gln	Val
Asp 65	Ser	Cys	Val	Phe	Ala 70	Gly	Glu	Tyr	Glu	Asp 75	Thr	Leu	Gly	Thr	Cys 80
Val	Ile	Phe	Glu	Glu 85	Asn	Val	Glu	His	Ala 90	Asp	Thr	Glu	Gly	Asn 95	Asn
Lys	Thr	Val	Leu	Lys	Tyr	Lys	Cys	His	Thr	Met	Lys	Lys	Leu	Ser	Met

100						105						110			
Thr	Arg	Thr	Leu	Leu	Thr	Glu	Lys	Lys	Glu	Gly	Glu	Glu	Asn	Ile	Gly
		115					120					125			
Gly	Val	Glu	Trp	Leu	Gln	Ile	Lys	Asp	Asn	Asp	Phe	Ser	Tyr	Arg	Pro
	130					135					140				
Asn	Met	Ile	Cys	Asn	Phe	Leu	His	Glu	Asn	Glu	Asp	Glu	Glu	Val	Val
145					150					155					160
Ala	Ser	Ala	Pro	Asp	Lys	Ser	Leu	Glu	Leu	Glu	Glu	Glu	Glu	Ile	Gln
				165					170					175	
Met	Asn	His	Arg	Phe	Lys	Pro	Gly	Phe	Val	Glu	Pro	Gly	Glu	Pro	Ile
			180					185					190		
Ala	Pro	Trp	Glu												
		195													

<210> 242

<211> 156

<212> PRT

<213> Homo sapiens

<400> 242

Pro	Pro	Ala	Pro	Ala	Leu	Arg	His	Arg	Glu	Thr	Arg	Arg	Pro	Val	Ala
1				5					10					15	
Ser	Leu	His	Val	Gly	Thr	Gly	Ala	Leu	Gly	Ala	Arg	Ser	His	Pro	Pro
			20					25					30		
Ala	Gly	Ser	Arg	His	Leu	Glu	Phe	Trp	Gln	Lys	Gln	Phe	Ala	Arg	Arg
		35					40					45			
Gly	Ala	Asp	Gly	Gln	Glu	Pro	Asn	Lys	Leu	Leu	Arg	Leu	Gly	Ala	Glu
	50					55					60				
Ala	Arg	Thr	Gln	Asp	Gly	Gly	Ser	Gly	Arg	Ala	Trp	Pro	Val	Thr	Arg
	65				70					75					80
Arg	Arg	Gly	Ala	Ala	Gly	Pro	Trp	Arg	Arg	Arg	Arg	Thr	Ser	Gly	Val
				85					90					95	
Gln	Arg	Thr	Glu	Lys	Thr	Arg	Lys	Arg	Arg	Ser	Ser	Trp	Phe	Trp	Trp
			100					105					110		
Asn	Tyr	Gln	Glu	Leu	Leu	Ile	Gln	Thr	Ser	Ser	Gln	Asn	Val	Lys	Ile
		115					120					125			
Asn	Ala	Arg	Phe	Trp	Ala	Leu	Thr	Leu	Arg	Gly	Pro	Phe	Cys	Lys	Trp
	130					135					140				
Thr	Ala	Val	Ser	Leu	Leu	Gly	Ser	Met	Lys	Thr	Leu				
145					150					155					

<210> 243

<211> 132

<212> PRT

<213> Homo sapiens

<400> 243

Arg 1	Arg	Leu	Glu	Val 5	Ser	Tyr	Arg	Gln	His 10	His	Phe	Arg	Val	Ser 15	Leu
Ala	Pro	Trp	Ser 20	Lys	Met	Ala	Asp	Glu 25	Ala	Thr	Arg	Arg	Val 30	Val	Ser
Glu	Ile	Pro 35	Val	Leu	Lys	Thr	Asn 40	Ala	Gly	Pro	Arg	Asp 45	Arg	Glu	Leu
Trp	Val 50	Gln	Arg	Leu	Lys	Glu 55	Glu	Tyr	Gln	Ser	Leu 60	Ile	Arg	Tyr	Val
Glu 65	Asn	Asn	Lys	Asn	Ala 70	Asp	Asn	Asp	Trp	Phe 75	Arg	Leu	Glu	Ser	Asn 80
Lys	Glu	Gly	Thr	Arg 85	Trp	Phe	Gly	Lys	Cys 90	Trp	Tyr	Ile	His	Asp 95	Leu
Leu	Lys	Tyr	Glu 100	Phe	Asp	Ile	Glu	Phe 105	Asp	Ile	Pro	Ile	Thr 110	Tyr	Pro
Thr	Thr	Ala 115	Pro	Glu	Ile	Ala	Val 120	Pro	Glu	Leu	Asp	Gly 125	Lys	Thr	Ala
Lys	Met 130	Tyr	Arg												

<210> 244

<211> 159

<212> PRT

<213> Homo sapiens

<400> 244

Leu 1	Phe	Ala	Ile	Ser 5	Tyr	Ser	Val	Leu	Pro 10	Val	His	Leu	Cys	Cys 15	Leu
Ser	Ile	Gln	Leu 20	Arg	Asn	Cys	Asn	Phe 25	Trp	Gly	Ser	Ser	Arg 30	Ile	Cys
Asp	Arg	Asn 35	Val	Lys	Leu	Asp	Val 40	Lys	Leu	Ile	Phe	Gln 45	Glu	Val	Met
Asp	Ile 50	Pro	Ala	Phe	Ser	Lys 55	Pro	Pro	Ser	Ser	Phe 60	Leu	Val	Gly	Leu
Gln 65	Ser	Glu	Pro	Ile	Val 70	Val	Ser	Ile	Leu	Val 75	Val	Leu	His	Ile	Pro 80
Asp	Lys	Gly	Leu	Ile 85	Phe	Leu	Leu	Gln	Ser 90	Leu	His	Pro	Gln	Leu 95	Thr
Ile	Ser	Gly	Ser 100	Gly	Val	Ser	Leu	Gln 105	His	Arg	Asp	Leu	Arg 110	His	Asn
Thr	Ser	Arg 115	Gly	Phe	Ile	Arg	His 120	Leu	Gly	Pro	Gly	Arg 125	Lys	Arg	Asn
Ala	Glu 130	Val	Val	Leu	Pro	Val 135	Ala	Tyr	Leu	Lys	Ala 140	Pro	Ser	Ser	Leu
Leu	Trp	Glu	Asp	Glu	Thr	Leu	Gly	Cys	Cys	Lys	Thr	Ser	Phe	Glu	

155

<400> 245

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<210> 246
<211> 285
<212> PRT
<213> Homo sapiens
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<400> 246

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Ser	Gly	Phe 35	Ser	Thr	Glu	Glu	Arg 40	Ala	Ala	Pro	Phe	Ser 45	Leu	Glu	Tyr
Arg	Val 50	Phe	Leu	Lys	Asn	Glu 55	Lys	Gly	Gln	Tyr	Ile 60	Ser	Pro	Phe	His
Asp 65	Ile	Pro	Ile	Tyr	Ala 70	Asp	Lys	Asp	Val	Phe 75	His	Met	Val	Val	Glu 80
Val	Pro	Arg	Trp	Ser 85	Asn	Ala	Lys	Met	Glu 90	Ile	Ala	Thr	Lys	Asp 95	Pro
Leu	Asn	Pro	Ile 100	Lys	Gln	Asp	Val	Lys 105	Lys	Gly	Lys	Leu	Arg 110	Tyr	Val
Ala	Asn	Leu 115	Phe	Pro	Tyr	Lys	Gly 120	Tyr	Ile	Trp	Asn	Tyr 125	Gly	Ala	Ile
Pro	Gln 130	Thr	Trp	Glu	Asp	Pro 135	Gly	His	Asn	Asp	Lys 140	His	Thr	Gly	Cys

Cys 145	Gly	Asp	Asn	Asp	Pro 150	Ile	Asp	Val	Cys	Glu 155	Ile	Gly	Ser	Lys	Val 160
Cys	Ala	Arg	Gly	Glu 165	Ile	Ile	Gly	Val	Lys 170	Val	Leu	Gly	Ile	Leu 175	Ala
Met	Ile	Asp	Glu 180	Gly	Glu	Thr	Asp	Trp 185	Lys	Val	Ile	Ala	Ile 190	Asn	Val
Asp	Asp	Pro 195	Asp	Ala	Ala	Asn	Tyr 200	Asn	Asp	Ile	Asn	Asp 205	Val	Lys	Arg
Leu	Lys 210	Pro	Gly	Tyr	Leu	Glu 215	Ala	Thr	Val	Asp	Trp 220	Phe	Arg	Arg	Tyr
Lys 225	Val	Pro	Asp	Gly	Lys 230	Pro	Glu	Asn	Glu	Phe 235	Ala	Phe	Asn	Ala	Glu 240
Phe	Lys	Asp	Lys	Asp 245	Phe	Ala	Ile	Asp	Ile 250	Ile	Lys	Ser	Thr	His 255	Asp
His	Trp	Lys	Ala 260	Leu	Val	Thr	Lys	Lys 265	Thr	Asn	Gly	Lys	Arg 270	Ile	Met
Leu	Ile	Val 275	Gln	Leu	Phe	Val	Gly 280	Pro	Leu	Lys	Val	Cys 285			

<210> 247

<211> 94

<212> PRT

<213> Homo sapiens

<400> 247

Thr 1	Lys	Gly	Leu	Arg 5	Ile	Ala	Gln	Ala	Gln 10	Leu	Cys	Pro	Gly	Ser 15	Pro
Arg	Cys	Arg	Ser 20	Gln	Ser	Ile	Ser	Arg 25	Arg	Ala	Cys	Ala	Leu 30	Cys	Leu
Arg	Pro	Ser 35	Thr	Gln	Pro	Asn	Thr 40	Thr	Tyr	Leu	Arg	Lys 45	Pro	Gly	Gly
Arg	Lys 50	Arg	Ala	Val	Gly	His 55	Lys	Ser	Pro	Ala	Glu 60	Thr	Arg	Val	Pro
Ala 65	Ser	Val	Gln	Arg	Ser 70	Gln	Pro	Pro	Arg	Ala 75	His	Arg	Lys	Ser	Cys 80
Leu	Ala	Ser	Leu	Gly 85	Leu	Cys	Lys	Asn	Asn 90	Lys	Cys	Leu	Ser		

<210> 248

<211> 113

<212> PRT

<213> Homo sapiens

<400> 248

Asp 1	Pro	Arg	Pro	Ser 5	Arg	Ile	Gln	His	Ile 10	Ser	Gly	Asn	Pro	Ala 15	Gly
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Ala	Ser	Glu	Arg 20	Leu	Ala	Ile	Arg	Ala 25	Gln	Leu	Lys	Arg	Glu 30	Tyr	Leu
Leu	Gln	Tyr 35	Asn	Asp	Pro	Asn	Arg 40	Arg	Gly	Leu	Ile	Glu 45	Asn	Pro	Ala
Leu	Leu 50	Arg	Trp	Ala	Tyr	Ala 55	Arg	Thr	Ile	Asn	Val 60	Tyr	Pro	Asn	Phe
Arg 65	Pro	Thr	Pro	Lys	Asn 70	Ser	Leu	Met	Gly	Ala 75	Leu	Cys	Gly	Phe	Gly 80
Pro	Leu	Ile	Phe	Ile 85	Tyr	Tyr	Ile	Ile	Lys 90	Thr	Glu	Arg	Asp	Arg 95	Lys
Glu	Lys	Leu	Ile 100	Gln	Glu	Gly	Lys	Leu 105	Asp	Arg	Thr	Phe	His 110	Leu	Ser

Tyr

<210> 249

<211> 98

<212> PRT

<213> Homo sapiens

<400> 249

Val 1	Phe	Arg	Ser	Gly 5	Ser	Glu	Ile	Arg	Ile 10	Asp	Ile	Tyr	Cys	Ser 15	Cys
Ile	Gly	Pro	Thr 20	Lys	Gln	Gly	Arg	Ile 25	Phe	Asp	Glu	Pro	Ser 30	Ala	Val
Gly	Ile	Val 35	Val	Leu	Lys	Gln	Val 40	Leu	Ser	Phe	Gln	Leu 45	Gly	Ser	Tyr
Gly	Gln 50	Pro	Leu	Ala	Cys	Ala 55	Arg	Arg	Val	Ser	Gly 60	Asp	Met	Leu	Tyr
Ser 65	Ala	Gly	Ser	Arg	Val 70	Ser	Gly	Arg	Val	Arg 75	Arg	Leu	Asp	Gly	Leu 80
Tyr	Phe	Gly	Asn	Asp 85	Ile	Leu	Ala	Asn	Gln 90	Gly	Thr	Ile	Ala	Pro 95	Ala

Arg Phe

<210> 250

<211> 158

<212> PRT

<213> Homo sapiens

<400> 250

Thr 1	Gln	Val	Met	Val 5	Gln	Ser	Met	Phe	Ala 10	Pro	Thr	Asp	Thr	Ser 15	Asp
Met	Glu	Ala	Val 20	Trp	Lys	Glu	Ala	Lys 25	Pro	Glu	Asp	Leu	Met 30	Asp	Ser
Lys	Leu	Arg 35	Cys	Val	Phe	Glu	Leu 40	Pro	Ala	Glu	Asn	Asp 45	Lys	Pro	His

Asp	Val	Glu	Ile	Asn	Lys	Ile	Ile	Ser	Thr	Thr	Ala	Ser	Lys	Thr	Glu
	50					55					60				
Thr	Pro	Ile	Val	Ser	Lys	Ser	Leu	Ser	Ser	Ser	Leu	Asp	Asp	Thr	Glu
65					70					75					80
Val	Lys	Lys	Val	Met	Glu	Glu	Cys	Lys	Arg	Leu	Gln	Gly	Glu	Val	Gln
				85					90					95	
Arg	Leu	Arg	Glu	Glu	Asn	Lys	Gln	Phe	Lys	Glu	Glu	Asp	Gly	Leu	Arg
			100					105					110		
Met	Arg	Lys	Thr	Val	Gln	Ser	Asn	Ser	Pro	Ile	Ser	Ala	Leu	Ala	Pro
		115					120					125			
Thr	Gly	Lys	Glu	Glu	Gly	Leu	Ser	Thr	Arg	Leu	Leu	Ala	Leu	Val	Val
	130					135					140				
Leu	Phe	Phe	Ile	Val	Gly	Val	Ile	Ile	Gly	Lys	Ile	Ala	Leu		
145					150					155					

<210> 251

<211> 112

<212> PRT

<213> Homo sapiens

<400> 251

Val	Asn	Lys	Ala	Leu	Pro	Phe	Ile	Ser	Lys	Ala	Leu	Gly	Gln	Ser	Val
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Asn	Thr	Arg	Leu	Ser	Leu	Met	Thr	Ser	Thr	Ser	Asp	Ala	Ala	Thr	Val
			20					25					30		
Gln	Phe	Leu	Trp	Ala	Ser	Asp	Ser	Val	His	Gln	Ser	Gln	Gly	Ala	Asp
		35					40					45			
Gly	Leu	Asp	Arg	Thr	Glu	Asp	Thr	Glu	Ser	Ser	Leu	Gly	Arg	Glu	Trp
	50					55					60				
Ala	Thr	Trp	Gly	Leu	Leu	Cys	Gly	Ala	Asp	Arg	Thr	Pro	Gln	His	Ala
65				70						75					80
Gly	Leu	Gln	Leu	Pro	Lys	Gly	Gln	His	Gln	Gln	Ala	Arg	Lys	Gly	Val
				85					90					95	
Ile	Leu	Arg	Glu	Val	Ile	Gln	His	His	Val	Pro	Arg	Pro	Thr	Asn	Val
			100					105					110		

<210> 252

<211> 135

<212> PRT

<213> Homo sapiens

<400> 252

Ser	Lys	Gly	Cys	Ser	Ile	Thr	Glu	Thr	Val	Thr	Val	Asp	Pro	Gly	Ser
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Ile	Ile	Pro	Leu	Leu	Gly	Leu	Thr	Gln	Tyr	Arg	Arg	Gly	Ala	Val	Val
			20					25					30		
Phe	Thr	Leu	Lys	His	Thr	Phe	Leu	Ser	Asp	Gly	Phe	Arg	Asn	Leu	Arg

			35				40				45						
Phe	Val 50	Val	Thr	Thr	Ser	Val 55	Lys	Gly	Pro	Leu	Asn 60	Leu	Arg	Ser	Val		
Gly 65	Gly	Ser	Arg	Thr	Arg 70	Ile	Cys	Ser	Ser	Ser 75	Pro	Trp	Pro	Leu	Arg 80		
Arg	Thr	Pro	Ser	Glu 85	Arg	Gln	Arg	Arg	Ala 90	Gly	Gly	Gly	Leu	Leu 95	Ala		
Gly	Gly	Gly	Gly 100	Arg	Trp	Arg	Glu	Gly 105	Arg	Gly	Ser	Glu	Phe 110	Ala	Ser		
Leu	Leu	Phe 115	Leu	Val	Arg	Leu	Cys 120	Ser	Thr	Thr	Phe	Leu 125	Cys	Trp	Gln		
Ile	Cys 130	Phe	Gln	Ile	Asp	Phe 135											
<210> 253																	
<211> 189																	
<212> PRT																	
<213> Homo sapiens																	
<400> 253																	
Ser 1	Met	Gln	Ser	Ala 5	Val	Ser	Phe	Phe	Phe 10	Phe	Ser	Leu	Asp	Gln 15	Lys		
Lys	Ile	Cys	Leu 20	Pro	Thr	Ile	Ser	Leu 25	Val	Val	Trp	Pro	Thr 30	Val	Thr		
Ile	Phe	Leu 35	Cys	Val	Gln	Arg	His 40	Ile	Gly	Phe	Ala	Phe 45	Asn	Asp	Leu		
Leu	Arg 50	Leu	Glu	Asn	Thr	Ile 55	Lys	Thr	Asn	Cys	Ser 60	Ala	Thr	Gly	Gln		
Val 65	Val	Tyr	Tyr	Gln	Ile 70	Ile	Thr	Ser	Arg	Cys 75	Gln	Leu	His	Ile	Glu 80		
Ser	Phe	Met	Lys	Phe 85	Ile	Asn	Lys	Glu	Leu 90	Phe	Phe	Leu	Cys	Gly 95	Phe		
Asn	Lys	Ser	Ser 100	Arg	Ile	Val	Gln	Ser 105	Leu	Val	Asn	Val	Ile 110	Leu	Ile		
Ile	Pro	Leu 115	Asn	Phe	Ile	Cys	Cys 120	Cys	Tyr	Leu	Leu	Lys 125	Tyr	Asp	Leu		
Phe	Arg 130	Leu	Leu	Ile	Pro	Leu 135	Ile	Gln	Glu	Met	Pro 140	Arg	Gly	Ile	Pro		
Trp 145	Gly	Asn	Gly	Ala	Ser 150	Tyr	Ser	Val	Asn	Phe 155	Ser	Ser	Phe	Thr	Phe 160		
Ala	Asn	Ile	Met	Ala 165	Glu	Phe	Phe	Leu	Ser 170	Leu	Val	Arg	Gln	Leu 175	Leu		
Thr	Glu	Phe	Phe 180	Ile	Leu	Thr	Ile	Leu 185	Ser	His	Gly	Ile					

<210> 254
 <211> 300
 <212> PRT
 <213> Homo sapiens

<400> 254

Lys 1	Ser	Ile	Trp	Lys 5	Gln	Ile	Cys	Gln	His 10	Lys	Asn	Val	Val	Glu 15	Gln
Ser	Leu	Thr	Arg 20	Lys	Arg	Arg	Asp	Ala 25	Asn	Ser	Leu	Pro	Leu 30	Pro	Ser
Arg	His	Arg 35	Pro	Pro	Pro	Pro	Ala 40	Ser	Lys	Pro	Pro	Pro 45	Ala	Leu	Arg
Cys	Leu 50	Ser	Asp	Gly	Val	Arg 55	Leu	Arg	Gly	His	Gly 60	Glu	Asp	Glu	Gln
Ile 65	Leu	Val	Leu	Asp	Pro 70	Pro	Thr	Asp	Leu	Lys 75	Phe	Lys	Gly	Pro	Phe 80
Thr	Asp	Val	Val	Thr 85	Thr	Asn	Leu	Lys	Leu 90	Arg	Asn	Pro	Ser	Asp 95	Arg
Lys	Val	Cys	Phe 100	Lys	Val	Lys	Thr	Thr 105	Ala	Pro	Arg	Arg	Tyr 110	Cys	Val
Arg	Pro	Asn 115	Ser	Gly	Ile	Ile	Asp 120	Pro	Gly	Ser	Thr	Val 125	Thr	Val	Ser
Val	Met 130	Leu	Gln	Pro	Phe	Asp 135	Tyr	Asp	Pro	Asn	Glu 140	Lys	Ser	Lys	His
Lys 145	Phe	Met	Val	Gln	Thr 150	Ile	Phe	Ala	Pro	Pro 155	Asn	Thr	Ser	Asp	Met 160
Glu	Ala	Val	Trp	Lys 165	Glu	Ala	Lys	Pro	Asp 170	Glu	Leu	Met	Asp	Ser 175	Lys
Leu	Arg	Cys	Val 180	Phe	Glu	Met	Pro	Asn 185	Glu	Asn	Asp	Lys	Leu 190	Asn	Asp
Met	Glu	Pro 195	Ser	Lys	Ala	Val	Pro 200	Leu	Asn	Ala	Ser	Lys 205	Gln	Asp	Gly
Pro	Met 210	Pro	Lys	Pro	His	Ser 215	Val	Ser	Leu	Asn	Asp 220	Thr	Glu	Thr	Arg
Lys 225	Leu	Met	Glu	Glu	Cys 230	Lys	Arg	Leu	Gln	Gly 235	Glu	Met	Met	Lys	Leu 240
Ser	Glu	Glu	Asn	Arg 245	His	Leu	Arg	Asp	Glu 250	Gly	Leu	Arg	Leu	Arg 255	Lys
Val	Ala	His	Ser 260	Asp	Lys	Pro	Gly	Ser 265	Thr	Ser	Thr	Ala	Ser 270	Phe	Arg
Asp	Asn	Val 275	Thr	Ser	Pro	Leu	Pro 280	Ser	Leu	Leu	Val	Val 285	Ile	Ala	Ala
Ile	Phe 290	Ile	Gly	Phe	Phe	Leu 295	Gly	Lys	Phe	Ile	Leu 300				

<210> 255
 <211> 247
 <212> PRT
 <213> Homo sapiens

<400> 255

Gly 1	Ser	Ser	Gly	Ser 5	Arg	Phe	Glu	Val	Val 10	Val	Val	Leu	Glu	Glu 15	Arg
Arg	Gly	Gly	Arg 20	Gly	Arg	Gly	Met	Gly 25	Arg	Gly	Asp	Gly	Phe 30	Asp	Ser
Arg	Gly	Lys 35	Arg	Glu	Phe	Asp	Arg 40	His	Ser	Gly	Ser	Asp 45	Arg	Ser	Gly
Leu	Lys 50	His	Glu	Asp	Lys	Arg 55	Gly	Gly	Ser	Gly	Ser 60	His	Asn	Trp	Gly
Thr 65	Val	Lys	Asp	Glu	Leu 70	Thr	Glu	Ser	Pro	Lys 75	Tyr	Ile	Gln	Lys	Gln 80
Ile	Ser	Tyr	Asn	Tyr 85	Ser	Asp	Leu	Asp	Gln 90	Ser	Asn	Val	Thr	Glu 95	Glu
Thr	Pro	Glu	Gly 100	Glu	Glu	His	His	Pro 105	Val	Ala	Asp	Thr	Glu 110	Asn	Lys
Glu	Asn	Glu 115	Val	Glu	Glu	Val	Lys 120	Glu	Glu	Gly	Pro	Lys 125	Glu	Met	Thr
Leu	Asp 130	Glu	Trp	Lys	Ala	Ile 135	Gln	Asn	Lys	Asp	Arg 140	Ala	Lys	Val	Glu
Phe 145	Asn	Ile	Arg	Lys	Pro 150	Asn	Glu	Gly	Ala	Asp 155	Gly	Gln	Trp	Lys	Lys 160
Gly	Phe	Val	Leu	His 165	Lys	Ser	Lys	Ser	Glu 170	Glu	Ala	His	Ala	Glu 175	Asp
Ser	Val	Met	Asp 180	His	His	Phe	Arg	Lys 185	Pro	Ala	Asn	Asp	Ile 190	Thr	Ser
Gln	Leu	Glu 195	Ile	Asn	Phe	Gly	Asp 200	Leu	Gly	Arg	Pro	Gly 205	Arg	Gly	Gly
Arg	Gly 210	Gly	Arg	Gly	Gly	Arg 215	Gly	Arg	Gly	Gly	Arg 220	Pro	Asn	Arg	Gly
Ser 225	Arg	Thr	Asp	Lys	Ser 230	Ser	Ala	Ser	Ala	Pro 235	Asp	Val	Asp	Asp	Pro 240
Glu	Ala	Phe	Pro	Ala 245	Leu	Ala									

<210> 256
 <211> 69
 <212> PRT
 <213> Homo sapiens

<400> 256

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<210> 257
<211> 220
<212> PRT
<213> Homo sapiens
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Tyr	Gly	Tyr 35	Gly	Asn	Asp	Gly	Phe 40	Asp	Asp	Arg	Met	Arg 45	Asp	Gly	Arg
Gly	Met 50	Gly	Gly	His	Gly	Tyr 55	Gly	Gly	Ala	Gly	Asp 60	Ala	Ser	Ser	Gly
Phe 65	His	Gly	Gly	His	Phe 70	Val	His	Met	Arg	Gly 75	Leu	Pro	Phe	Arg	Ala 80
Thr	Glu	Asn	Asp	Ile 85	Ala	Asn	Phe	Phe	Ser 90	Pro	Leu	Asn	Pro	Ile 95	Arg
Val	His	Ile	Asp 100	Ile	Gly	Ala	Asp	Gly 105	Arg	Ala	Thr	Gly	Glu 110	Ala	Asp
Val	Glu	Phe 115	Val	Thr	His	Glu	Asp 120	Ala	Val	Ala	Ala	Met 125	Ser	Lys	Asp
Lys	Asn 130	Asn	Met	Gln	His	Arg 135	Tyr	Ile	Glu	Leu	Phe 140	Leu	Asn	Ser	Thr
Pro 145	Gly	Gly	Gly	Ser	Gly 150	Met	Gly	Gly	Ser	Gly 155	Met	Gly	Gly	Tyr	Gly 160
Arg	Asp	Gly	Met	Asp 165	Asn	Gln	Gly	Gly	Tyr 170	Gly	Ser	Val	Gly	Arg 175	Met
Gly	Met	Gly	Asn 180	Asn	Tyr	Ser	Gly	Gly 185	Tyr	Gly	Thr	Pro	Asp 190	Gly	Leu
Gly	Gly	Tyr 195	Gly	Arg	Gly	Gly	Gly 200	Gly	Ser	Gly	Gly	Tyr 205	Tyr	Gly	Gln
Gly	Gly 210	Met	Ser	Gly	Gly	Gly 215	Trp	Arg	Gly	Met	Tyr 220				

<210> 258
 <211> 1105
 <212> DNA
 <213> Homo sapiens

<400> 258

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aagggagtat cgtcctgaat atgaacgtct gaaaaaatca ctggccaacg cagagagcca 180
acagcagaga gaacaactgg aacgccttcg aaaagatatg ggttctgtag ccttggatgc 240
agggaactccc aaagacagct tatctcctgt gctgcacct tctgatttga tcctgactcg 300
accaacattg gaagcagaca gcgatactga tgacattgac cacagagtta cagaggaaaag 360
ccatgaagag ccagcattcc agaattttat gcaagaatcg atggcacaat actggaagag 420
aaacaataaaa taggagactt tagcacactt cacttgtttc tagaagtcca gaattttgga 480
cctccacgtg aaagaactgt tcttacctct gaactggggg ctcccataag ggataatttt 540
cctcagagta gcaaagtttc tcttattaga gaaatcctgt gactcagatg aagtcaggga 600
tagaagaccc ttggacctgg cagggttaatg ctgattatc ctggccttt cccttgatt 660
tatgcaagga aggatatact gagctgatac tctccaagc ctacaacttc aagttttatg 720
atttgaactc aagtactttt gctgctgagg aatggaatca aaagaacgta gtctctgggt 780
aaccacctca gatctctatt attaggctag atgtatagcc tctactcccc cagcttcttg 840
ctcttgacct tgcactgtaa gttgcccttc tattagcagc caaggaaaag ggaaacatga 900
gcttatccag aacggtggca gagtctcctt ggcaatcaac caacgttgct atgaaatatg 960
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1105

<210> 259
 <211> 1088
 <212> DNA
 <213> Homo sapiens

<400> 259

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agaccttcca gcagtacttt ggtggacgag ttggagtcac ctttcgaggc ttgctttgca 180
tctctggtga gtcaggacta tgtcaatggc accgatcagg aagaaattcg aaccgggtgtt 240
gatcagtgtg tccagaagtt tctggatatt gcaagacaga cagaatgttt tttcttaca 300
aaaagattgc agttatctgt ccagaaacca gagcaagtta tcaaagagga tgtgtcagaa 360
ctaagggaatg aattacagcg gaaagatgca ctagtccaga agcacttgac aaagctgagg 420
cattggcagc aggtgctgga ggacatcaac gtgcagcaca aaaagcccgc cgacatccct 480
cagggctcct tggcctacct ggagcaggca tctgccaaca tccctgcacc tctgaagcca 540
acgtgagcaa agggcagagg cagttggcct atgagtgggc tgatgcgtga ggttggccac 600
acattccttc ctgtggactt gacatttttg aagaactctt tgccagataa tgagttcatt 660
ttagttttat gctcccattg aaaaattttc cactattttt ataagctgtt aatttcttga 720
gtactttata acatgtctgt agcttgata aaccaagtaa gtattttttt tttgtcttta 780
gcgaagttaa gactgtgaat atgatgacac agattctttt ttatggtggc tttgtctgtt 840
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attacccccg ggtggtgtgt agaaaagtat gtaaatttgc tctgttttaa gactttgaac1020
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1088

<210> 260
 <211> 3292
 <212> DNA
 <213> Homo sapiens

<400> 260

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gcagacttag aagataaaac acctgatcag ctaataaaac attatcgatt atgtgccaaa 180
cattttgaga cctctatgat ctgtagaact agtccttata ggacagttct tcgagataat 240
gcaataccaa caatatttga tcttaccagt catttgaaca acccacatag tagacacaga 300
aaacgaataa aagaactgag tgaagatgaa atcaggacac tgaaacagaa aaaaattgat 360
gaaacttctg agcaggaaca aaaacataaa gaaaccaaca atagcaatgc tcagaacccc 420
agcgaagaag aggggtgaagg gcaagatgag gacattttac ctctaaccct tgaagagaag 480
gaaaacaaag aatacctaaa atctctatct gaaatcttga ttctgatggg aaagcaaaac 540
atacctctgg atggacatga ggctgatgaa atcccagaag gtctctttac tccagataac 600
tttcaggcac tgctggagtg tcggataaat tctggtgaag aggttctgag aaagcgggtt 660
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atctgtgaga gctgtattcg agaagaaact ctgagggaag tgagagactc acacttcttt 780
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aatatggagt attgtcgtgg ccagggttac attgtctcta gtggattttc ttccaaaatg1020
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cctgcaagca cttgttttat gtttagatgg tataaatagt gacacaaata ttagnatggg1380
aataactata tagctggccg agcatttngt actctgcagt gcagtgtcag attttgattt1440
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<210> 261

<211> 1196

<212> DNA

<213> Homo sapiens

<400> 261

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<210> 262

<211> 1467

<212> DNA

<213> Homo sapiens

<400> 262

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1467

<210> 263

<211> 739

<212> DNA

<213> Homo sapiens

<400> 263

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caaaaggtgt tgcggtttaa taagcgggag ctacgccacc tcgagtcgtg gtgcgtccag180

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739

<210> 264
 <211> 2146
 <212> DNA
 <213> Homo sapiens

<400> 264

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2146

<210> 265
 <211> 1020
 <212> DNA
 <213> Homo sapiens

<400> 265

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<210> 266

<211> 1652

<212> DNA

<213> Homo sapiens

<400> 266

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1652

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<210> 267

<211> 1409

<212> DNA

<213> Homo sapiens

<400> 267

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1409

<210> 268
<211> 900
<212> DNA
<213> Homo sapiens

<400> 268

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<210> 269
<211> 1145
<212> DNA
<213> Homo sapiens

<400> 269

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gaattttaat aaatttttgc ttttagcactt ggccccattg tagattgccc tgtgcagtaa1140
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<210> 270

<211> 1836

<212> DNA

<213> Homo sapiens

<400> 270

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gttgcgacat gcagtgcgcc ggaggaactg tgctctttga ggccgacgct aggggccccg 60
aagggaaact gcgaggcgaa ggtgaccggg gaccgagcat ttcagatctg ctcggtagac 120
ctggtgcacc accaccatgt tggctgcaag gctggtgtgt ctccggacac taccttctag 180
ggttttccac ccagctttca ccaaggcctc cctgtttgtg aagaattcca tcacgaagaa 240
tcaatggctg ttaacaccta gcaggaata tgccaccaa acaagaattg ggatccggcg 300
tgggagaact ggccaagaac tcaaagaggc agcattggaa ccacgatgg aaaaaatatt 360
taaaattgat cagatgggaa gatggtttgt tgctggaggg gctgctgttg gtcttgaggc 420
attgtgctac tatggcttgg gactgtctaa tgagattgga gctattgaaa aggctgtaat 480
ttggcctcag tatgtcaagg atagaattca ttccacctat atgtacttag cagggagtat 540
tggtttaaca gctttgtctg ccatagcaat cagcagaacg cctgttctca tgaacttcat 600
gatgagaggc tcttgggtga caattggtgt gacctttgca gccatgggtg gagctggaat 660
gctggtacga tcaataccat atgaccagag ccaggccca aagcatcttg cttggttgct 720
acattctggt gtgatgggtg cagtgggtgg tcctctgaca atattagggg gtcctcttct 780
catcagagct gcatggtaca cagctggcat tgtgggaggc ctctccactg tggccatgtg 840
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ttactcagtg gcaatgtacg gtggattagt tcttttcagc atgttccctc tgtatgatac1020
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gcctcaggtc tgcctttttt tctggagaat aaatgcagta atcctctccc aaataagcac1380
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tcttttgttt ttttaatac ttagaactta gcacttgtgt tattgattag tgaggagcca1680
gtaagaaaca tctgggtatt tggaaacaag tggtcattgg ttacattcat ctgctgaact1740
taacaaaact ggttccatcc tggaaacagg cacaggtgaa tgcattcctc ctgcggttgg1800
ctccccagtg gccgccttc ccataatgga tgtggg 1836

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<210> 271

<211> 1220

<212> DNA

<213> Homo sapiens

<400> 271

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tgagcatgaa cggaagtcac cctttgtgcc ttatgcggtg attttaatga taggtgtcat 120
atataggacg gagtaatctg tttacattct gttcttctcg atgcactcac aagcgggtaa 180
ctaggtgaca agaaaacaaa gatcttattc aaaagagggtc ttacagcaac ccaacgtctc 240
atcttcccat agtaaagatg acggcgcctt gaggtaaagct acaggcaaca ccacttccgc 300
gtttctcttg cgccctggtc caagatggcg gatgaagcca cgcgacgtgt tgtgtctgag 360
atccccggtgc tgaagactaa cgccggacc cagatcgtg agttgtgggt gcagcgactg 420

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aaggaggaat atcagtcctt tatccggtat gtggagaaca acaagaatgc tgacaacgat 480
tggttccgac tggagtccaa caaggaagga actcgggtgg ttggaaaatg ctggtatata 540
catgacctcc tgaaatatga gtttgacatc gagtttgaca ttctatcac atatcctact 600
actgccccag aaattgcagt tcctgagctg gatggaaaga cagcaaagat gtacaggggt 660
ggcaaaatat gctgacgga tcatttcaaa cctttgtggg ccaggaatgt gcccaaattt 720
ggactagctc atctcatggc tctggggctg ggtccatggc tggcagtgga aatccctgat 780
ctgattcaga agggcgctcat ccaacacaaa gagaaatgca accaatgaag aatcaagcca 840
ctgaggcagg gcagagggac ctttgatagg ctacgatact attttcctgt gcatcacact 900
taactcatct aactgcttcc ccggacaccc tccacctcta gttgttacta agtagctgca 960
gtaggcattg ctgggggaaga aacaaacaca caccaaacag tactgctact tagtttctaa1020
ggctgcacag ggaagggaaa gactgggctt tggacaatct agaggtaatt tatatccgcc1080
cccaggtgga gcaacatgag attctggagg cacgggggta actgaaagtg agtacatata1140
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<210> 272

<211> 1303

<212> DNA

<213> Homo sapiens

<400> 272

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cgccgcgccc ttctccctgg agtaccgagt cttcctcaaa aatgagaaag gacaatatat 180
atctccattt catgatattc caatttatgc agataaggat gtgtttcaca tggtagttga 240
agtaccacgc tggctaatg caaaaatgga gattgctaca aaggaccctt taaaccctat 300
taaacaaagat gtgaaaaaag gaaaacttcg ctatgttgcg aatttggtcc cgtataaagg 360
atatactgga aactatgggt ccacccctca gacttgggaa gacccagggc acaatgataa 420
acatactggc tgttgtgggt acaatgaccc aattgatgtg tgtgaaattg gaagcaaggt 480
atgtgcaaga ggtgaaataa ttggcgtaga agttctaggc atattggcta tgattgacga 540
aggggaaacc gactggaaag tcattgccat taatgtggat gatcctgatg cagccaatta 600
taatgatata aatgatgtca aacgggtgaa acctggctac ttagaagcta ctgtggactg 660
gtttagaagg tataagggtc ctgatggaaa accagaaaat gagtttgctg ttaatgcaga 720
atttaaaagat aaggactttg ccattgatat tattaagaag actcatgacc attggaaagc 780
attagtgact aagaaaacga atggaaaagg aatcagttgc atgaatacaa ctttgtctga 840
gagcccttc aagtgtgatc ctgatgctgc cagagccatt gtggatgctt taccaccacc 900
ctgtgaatct gcctgcacag taccaacaga cgtggataag tggttccatc accagaaaaa 960
ctaagtatga ttctctggaa tacaagctga taattgctaca ctgtgttcac ctggatgtat1020
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aaattctgct gtgactaatc caatatactc agaattgtat ccatctaaag catttttcat1140
atctcaacta agataacttt tagcacatgc ttaaatatca aagcagttgt catttggaag1200
tcacttgtga atagatgtgc aaggggagca catattggat gtatatgtta ccatatgtta1260
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<210> 273

<211> 1586

<212> DNA

<213> Homo sapiens

<400> 273

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tggacgtgga atgggcccag gagatggatt tgattctcgt ggcaaacgtg aatttgatag 120
gcatagtgga agtgatagat ctggcctgaa gcacgaggac aaacgtggag gtagcggatc 180
tcacaactgg ggaactgtca aagacgaatt aacagagtcc cccaaataca ttcagaaaca 240
aatatcttat aattacagtg acttgatca atcaaagtg actgaggaaa cacctgaagg 300
tgaagaacat catccagtgg cagacactga aaataaggag aatgaagttg aagaggtaaa 360
agaggagggt ccaaaagaga tgactttgga tgagtggaa gctattcaaa ataaggaccg 420
ggcaaaagta gaatttaata tccgaaaacc aaatgaaggt gctgatgggc agtggaaaga 480
gggatttgtt cttcataaat caaagagtga agaggctcat gctgaagatt cgtttatgga 540
ccatcatttc cggaaagccag caaatgatat aacgtctcag ctggagatca attttgaga 600
ccttgccgcg ccaggacgtg gcggcagggg aggacgaggt ggacgtgggc gtggtgggag 660

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cccaaaccgt ggcagcagga cgcacaagtc aagtgtctct gctcctgat tggatgaccc 720
agaggcattc ccagctctgg cttaactgga tgccataaga caaccctggg tcctttgtga 780
acccttctgt tcaaagcttt tgcatgctta aggattccaa acgactaaga aattaaaaaa 840
aaaaagactg tcattcatac cattcacacc taaagactga attttatctg ttttaaaaaa 900
gaacttctcc cgctacacag aagtaacaaa tatggtagtc agttttgtat tttagaaatgt 960
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cagtttaaag ctttcacttc atttgtgttt tttaattaag gatttagaag ttcccccaat1140
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gaacaaattc aaagcacatt tggtttatta acccgtggct gccctggcat ggggcccatt1440
tgggggtccaa attataactg atttacattt tcagcgatat tacttttaaa tgcctgagtt1500
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cgggccag
1568

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<210> 274

<211> 144

<212> PRT

<213> Homo sapiens

<400> 274

Lys 1	Gln	Val	Lys	Cys 5	Ala	Lys	Val	Ser	Tyr 10	Leu	Leu	Phe	Leu	Phe 15	Gln
Tyr	Cys	Ala	Ile 20	Asp	Ser	Cys	Ile	Lys 25	Phe	Trp	Asn	Ala	Gly 30	Ser	Ser
Trp	Leu	Ser 35	Ser	Val	Thr	Leu	Trp 40	Ser	Met	Ser	Ser	Val 45	Ser	Leu	Ser
Ala	Ser 50	Asn	Val	Gly	Arg	Val 55	Arg	Ile	Lys	Ser	Glu 60	Gly	Cys	Ser	Thr
Gly 65	Asp	Lys	Leu	Ser	Leu 70	Gly	Val	Pro	Ala	Ser 75	Lys	Ala	Thr	Glu	Pro 80
Ile	Ser	Phe	Arg	Arg 85	Arg	Ser	Ser	Cys	Ser 90	Leu	Cys	Cys	Trp	Leu 95	Ser
Ala	Leu	Ala	Ser 100	Asp	Phe	Phe	Arg	Arg 105	Ser	Tyr	Ser	Gly	Arg 110	Tyr	Ser
Leu	Ser	Tyr 115	Ser	Ser	Ala	Ala	Leu 120	Val	Thr	Cys	Thr	Lys 125	Ser	Ser	Ser
Asn	Pro 130	Val	Pro	Arg	Thr	Ala 135	Glu	Thr	Pro	Thr	Thr 140	Leu	Ser	Glu	Leu

<210> 275

<211> 143

<212> PRT

<213> Homo sapiens

<400> 275

Met 1	Ser	Leu	Val	Leu 5	Asp	Glu	Phe	Tyr	Ser 10	Ser	Leu	Arg	Val	Val 15	Gly
Val	Ser	Ala	Val 20	Leu	Gly	Thr	Gly	Leu 25	Asp	Glu	Leu	Phe	Val 30	Gln	Val

[illegible][illegible][illegible][illegible]

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<210> 277
<211> 89
<212> PRT
<213> Homo sapiens
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<400> 277

Asn 1	Glu	Leu	Ile	Ile 5	Trp	Gln	Arg	Val	Leu 10	Pro	Lys	Cys	Gln	Val 15	His
Arg	Lys	Glu	Cys 20	Val	Ala	Asn	Leu	Thr 25	His	Gln	Pro	Thr	His 30	Arg	Pro
Thr	Ala	Ser 35	Ala	Leu	Cys	Ser	Arg 40	Trp	Leu	Gln	Arg	Cys 45	Arg	Asp	Val
Gly	Arg 50	Cys	Leu	Leu	Gln	Val 55	Gly	Gln	Gly	Ala	Leu 60	Arg	Asp	Val	Gly
Gly 65	Leu	Phe	Val	Leu	His 70	Val	Asp	Val	Leu	Gln 75	His	Leu	Leu	Pro	Met 80
Pro	Gln	Leu	Cys	Gln 85	Val	Leu	Leu	Asp							

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<210> 278
<211> 401
<212> PRT
<213> Homo sapiens
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<400> 278

Met 1	Pro	Asn	Phe	Cys 5	Ala	Ala	Pro	Asn	Cys 10	Thr	Arg	Lys	Ser	Thr 15	Gln
Ser	Asp	Leu	Ala 20	Phe	Phe	Arg	Phe	Pro 25	Arg	Asp	Pro	Ala	Arg 30	Cys	Gln
Lys	Trp	Val 35	Glu	Asn	Cys	Arg	Arg 40	Ala	Asp	Leu	Glu	Asp 45	Lys	Thr	Pro
Asp	Gln 50	Leu	Asn	Lys	His	Tyr 55	Arg	Leu	Cys	Ala	Lys 60	His	Phe	Glu	Thr
Ser 65	Met	Ile	Cys	Arg	Thr 70	Ser	Pro	Tyr	Arg	Thr 75	Val	Leu	Arg	Asp	Asn 80
Ala	Ile	Pro	Thr	Ile 85	Phe	Asp	Leu	Thr	Ser 90	His	Leu	Asn	Asn	Pro 95	His
Ser	Arg	His	Arg 100	Lys	Arg	Ile	Lys	Glu 105	Leu	Ser	Glu	Asp	Glu 110	Ile	Arg
Thr	Leu	Lys 115	Gln	Lys	Lys	Ile	Asp 120	Glu	Thr	Ser	Glu	Gln 125	Glu	Gln	Lys
His	Lys 130	Glu	Thr	Asn	Asn	Ser 135	Asn	Ala	Gln	Asn	Pro 140	Ser	Glu	Glu	Glu
Gly 145	Glu	Gly	Gln	Asp	Glu 150	Asp	Ile	Leu	Pro	Leu 155	Thr	Leu	Glu	Glu	Lys 160

Glu	Asn	Lys	Glu	Tyr 165	Leu	Lys	Ser	Leu	Phe 170	Glu	Ile	Leu	Ile	Leu 175	Met
Gly	Lys	Gln	Asn 180	Ile	Pro	Leu	Asp	Gly 185	His	Glu	Ala	Asp	Glu 190	Ile	Pro
Glu	Gly	Leu 195	Phe	Thr	Pro	Asp	Asn 200	Phe	Gln	Ala	Leu	Leu 205	Glu	Cys	Arg
Ile	Asn 210	Ser	Gly	Glu	Glu	Val 215	Leu	Arg	Lys	Arg	Phe 220	Glu	Thr	Thr	Ala
Val 225	Asn	Thr	Leu	Phe	Cys 230	Ser	Lys	Thr	Gln	Gln 235	Arg	Gln	Met	Leu	Glu 240
Ile	Cys	Glu	Ser	Cys 245	Ile	Arg	Glu	Glu	Thr 250	Leu	Arg	Glu	Val	Arg 255	Asp
Ser	His	Phe	Phe 260	Ser	Ile	Ile	Thr	Asp 265	Asp	Val	Val	Asp	Ile 270	Ala	Gly
Glu	Glu	His 275	Leu	Pro	Val	Leu	Val 280	Arg	Phe	Val	Asp	Glu 285	Ser	His	Asn
Leu	Arg 290	Glu	Glu	Phe	Ile	Gly 295	Phe	Leu	Pro	Tyr	Glu 300	Ala	Asp	Ala	Glu
Ile 305	Leu	Ala	Val	Lys	Phe 310	His	Thr	Met	Ile	Thr 315	Glu	Lys	Trp	Gly	Leu 320
Asn	Met	Glu	Tyr	Cys 325	Arg	Gly	Gln	Ala	Tyr 330	Ile	Val	Ser	Ser	Gly 335	Phe
Ser	Ser	Lys	Met 340	Lys	Val	Val	Ala	Ser 345	Arg	Leu	Leu	Glu	Lys 350	Tyr	Pro
Gln	Ala	Ile 355	Tyr	Thr	Leu	Cys	Ser 360	Ser	Cys	Ala	Leu	Asn 365	Met	Trp	Leu
Ala	Lys 370	Ser	Val	Pro	Val	Met 375	Gly	Val	Ser	Val	Ala 380	Leu	Gly	Thr	Ile
Glu 385	Glu	Val	Cys	Ser	Phe 390	Phe	His	Xxx	Ile	Thr 395	Thr	Thr	Ala	Phe	Arg 400

Thr

<210> 279

<211> 106

<212> PRT

<213> Homo sapiens

<400> 279

Met 1	Leu	Ile	Ser	Gly 5	Thr	Leu	Ser	His	Gly 10	Thr	Thr	Gln	Ile	Gln 15	Tyr
Xxx	Xxx	Glu	Glu 20	His	His	Ala	Asp	Met 25	Tyr	Arg	Ser	Asp	Leu 30	Pro	Asn
Pro	Asp	Thr 35	Leu	Ser	Ala	Glu	Leu 40	His	Cys	Trp	Arg	Ile 45	Lys	Trp	Lys

His	Arg	Gly	Lys	Asp	Ile	Glu	Leu	Pro	Ser	Thr	Ile	Tyr	Glu	Ala	Leu
	50					55					60				
His	Leu	Pro	Asp	Ile	Lys	Phe	Phe	Pro	Asn	Val	Tyr	Ala	Leu	Leu	Lys
65					70					75					80
Val	Leu	Cys	Ile	Leu	Pro	Val	Met	Lys	Val	Glu	Asn	Glu	Arg	Tyr	Glu
				85					90					95	
Asn	Gly	Thr	Lys	Ala	Ser	Leu	Lys	His	Ile						
			100					105							

<210> 280

<211> 398

<212> PRT

<213> Homo sapiens

<400> 280

Gly	Arg	Lys	Cys	Asn	Lys	Phe	Trp	Asp	Asn	Ala	Gln	Thr	Ser	Gly	Ile
1				5					10					15	
Glu	Glu	Pro	Ser	Glu	Thr	Lys	Gly	Ser	Met	Gln	Lys	Ser	Lys	Phe	Lys
			20					25					30		
Tyr	Lys	Leu	Val	Pro	Glu	Glu	Glu	Thr	Thr	Ala	Ser	Glu	Asn	Thr	Glu
		35					40					45			
Ile	Thr	Ser	Glu	Arg	Gln	Lys	Glu	Gly	Ile	Lys	Leu	Thr	Ile	Arg	Ile
	50					55					60				
Ser	Ser	Arg	Lys	Lys	Lys	Pro	Asp	Ser	Pro	Pro	Lys	Val	Leu	Glu	Pro
65					70					75					80
Glu	Asn	Lys	Gln	Glu	Lys	Thr	Glu	Lys	Glu	Glu	Glu	Lys	Thr	Asn	Val
				85					90					95	
Gly	Arg	Thr	Leu	Arg	Arg	Ser	Pro	Arg	Ile	Ser	Arg	Pro	Thr	Ala	Lys
			100					105					110		
Val	Ala	Glu	Ile	Arg	Asp	Gln	Lys	Ala	Asp	Lys	Lys	Arg	Gly	Glu	Gly
		115					120					125			
Glu	Asp	Glu	Val	Glu	Glu	Glu	Ser	Thr	Ala	Leu	Gln	Lys	Thr	Asp	Lys
	130					135					140				
Lys	Glu	Ile	Leu	Lys	Lys	Ser	Glu	Lys	Asp	Thr	Asn	Ser	Lys	Val	Ser
145					150					155					160
Lys	Val	Lys	Pro	Lys	Gly	Lys	Val	Arg	Trp	Thr	Gly	Ser	Arg	Thr	Arg
				165					170					175	
Gly	Arg	Trp	Lys	Tyr	Ser	Ser	Asn	Asp	Glu	Ser	Glu	Gly	Ser	Gly	Ser
			180					185					190		
Glu	Lys	Ser	Ser	Ala	Ala	Ser	Glu	Glu	Glu	Glu	Glu	Lys	Glu	Ser	Glu
		195					200					205			
Glu	Ala	Ile	Leu	Ala	Asp	Asp	Asp	Glu	Pro	Cys	Lys	Lys	Cys	Gly	Leu
	210					215					220				
Pro	Asn	His	Pro	Glu	Leu	Ile	Leu	Leu	Cys	Asp	Ser	Cys	Asp	Ser	Gly

225	230							235							240
Tyr	His	Thr	Ala	Cys 245	Leu	Arg	Pro	Pro	Leu 250	Met	Ile	Ile	Pro	Asp 255	Gly
Glu	Trp	Phe	Cys 260	Pro	Pro	Cys	Gln	His 265	Lys	Leu	Leu	Cys	Glu 270	Lys	Leu
Glu	Glu	Gln 275	Leu	Gln	Asp	Leu	Asp 280	Val	Ala	Leu	Lys	Lys 285	Lys	Glu	Arg
Ala	Glu 290	Arg	Arg	Lys	Glu	Arg 295	Leu	Val	Tyr	Val	Gly 300	Ile	Ser	Ile	Glu
Asn 305	Ile	Ile	Pro	Pro	Gln 310	Glu	Pro	Asp	Phe	Ser 315	Glu	Asp	Gln	Glu	Glu 320
Lys	Lys	Lys	Asp	Ser 325	Lys	Lys	Ser	Lys	Ala 330	Asn	Leu	Leu	Glu	Arg 335	Arg
Ser	Thr	Arg	Thr 340	Arg	Lys	Cys	Ile	Ser 345	Tyr	Arg	Phe	Asp	Glu 350	Phe	Asp
Glu	Ala	Ile 355	Asp	Glu	Ala	Ile	Glu 360	Asp	Asp	Ile	Lys	Glu 365	Ala	Asp	Gly
Gly	Gly 370	Val	Gly	Arg	Gly	Lys 375	Asp	Ile	Ser	Thr	Ile 380	Thr	Gly	His	Arg
Gly 385	Lys	Asp	Ile	Ser	Thr 390	Ile	Leu	Asp	Glu	Lys 395	Ile	Ile	Thr		
<210> 281															
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<212> PRT															
<213> Homo sapiens															
<400> 281															
Ser 1	Ser	Glu	Lys	Ser 5	Gly	Ser	Cys	Gly	Gly 10	Met	Met	Phe	Ser	Ile 15	Leu
Ile	Pro	Thr	Tyr 20	Thr	Lys	Arg	Ser	Phe 25	Leu	Arg	Ser	Ala	Arg 30	Ser	Phe
Phe	Phe	Lys 35	Ala	Thr	Ser	Lys	Ser 40	Cys	Asn	Cys	Ser	Ser 45	Asn	Phe	Ser
Gln	Ser 50	Ser	Leu	Cys	Trp	Gln 55	Gly	Gly	Gln	Asn	His 60	Ser	Pro	Ser	Gly
Met 65	Ile	Ile	Arg	Gly	Gly 70	Arg	Arg	Gln	Ala	Val 75	Trp	Tyr	Pro	Leu	Ser 80
Gln	Glu	Ser	His	Arg 85	Arg	Ile	Ser	Ser	Gly 90	Trp	Phe	Gly	Arg	Pro 95	His
Phe	Leu	His	Gly 100	Ser	Ser	Ser	Ser	Ala 105	Arg	Met	Ala	Ser	Ser 110	Leu	Ser
Phe	Ser	Ser 115	Ser	Ser	Ser	Glu	Ala 120	Ala	Asp	Asp	Phe	Ser 125	Leu	Pro	Asp

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<210> 282
<211> 202
<212> PRT
<213> Homo sapiens
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Gly 1	Arg	Leu	Pro	Phe 5	Ser	Gly	Arg	Gly	Arg 10	Gly	Lys	Lys	Val	Thr 15	Ser
Gly	Asp	Gly	Val 20	Ala	Ser	Leu	Pro	Leu 25	Lys	Leu	Gly	Arg	Leu 30	Phe	Gly
Gly	Val	Thr 35	Arg	Gly	Phe	Asn	Met 40	Arg	Ile	Glu	Lys	Cys 45	Tyr	Phe	Cys
Ser	Gly 50	Pro	Ile	Tyr	Pro	Gly 55	His	Gly	Met	Met	Phe 60	Val	Arg	Asn	Asp
Cys 65	Lys	Val	Phe	Arg	Phe 70	Cys	Lys	Ser	Lys	Cys 75	His	Lys	Asn	Phe	Lys 80
Lys	Lys	Arg	Asn	Pro 85	Arg	Lys	Val	Arg	Trp 90	Thr	Lys	Ala	Phe	Arg 95	Lys
Ala	Ala	Gly	Lys 100	Glu	Leu	Thr	Val	Asp 105	Asn	Ser	Phe	Glu	Phe 110	Glu	Lys
Arg	Arg	Asn 115	Glu	Pro	Ile	Lys	Tyr 120	Gln	Arg	Glu	Leu	Trp 125	Asn	Lys	Thr
Ile	Asp 130	Ala	Met	Lys	Arg	Val 135	Glu	Glu	Ile	Lys	Gln 140	Lys	Arg	Gln	Ala
Lys 145	Phe	Ile	Met	Asn	Arg 150	Leu	Lys	Lys	Asn	Lys 155	Glu	Leu	Gln	Lys	Val 160
Gln	Asp	Ile	Lys	Glu 165	Val	Lys	Gln	Asn	Ile 170	His	Leu	Ile	Arg	Ala 175	Pro
Leu	Ala	Gly	Lys 180	Gly	Lys	Gln	Leu	Glu 185	Glu	Lys	Met	Val	Gln 190	Gln	Leu
Gln	Glu	Asp 195	Val	Asp	Met	Glu	Asp 200	Ala	Pro						

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<210> 283
<211> 84
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<212> PRT

<213> Homo sapiens

<400> 283

Ile 1	Ile	His	Cys	Lys 5	Leu	Phe	Thr	Ser	Cys 10	Phe	Pro	Glu	Cys	Phe 15	Gly
Pro	Pro	Asn	Phe 20	Ala	Arg	Ile	Ala	Leu 25	Leu	Phe	Lys	Val	Phe 30	Met	Thr
Phe	Arg	Phe 35	Ala	Lys	Ser	Glu	His 40	Leu	Ala	Ile	Val	Ala 45	Asp	Glu	His
His	Ala 50	Val	Ser	Arg	Ile	Asp 55	Gly	Pro	Arg	Thr	Glu 60	Ile	Thr	Leu	Phe
Asp 65	Thr	His	Val	Glu	Pro 70	Ala	Cys	Asn	Pro	Thr 75	Lys	Gln	Thr	Pro	Lys 80
Leu	Glu	Arg	Lys												

<210> 284

<211> 206

<212> PRT

<213> Homo sapiens

<400> 284

Arg 1	Leu	Glu	Pro	Arg 5	Ser	Val	Thr	Arg	Ser 10	Arg	Arg	Ala	Val	Ser 15	Arg
Leu	Ser	Ala	Arg 20	Pro	Gly	Lys	Val	Ser 25	Ala	Val	Met	Ala	Phe 30	Leu	Ala
Ser	Gly	Pro 35	Tyr	Leu	Thr	His	Gln 40	Gln	Lys	Val	Leu	Arg 45	Leu	Tyr	Lys
Arg	Ala 50	Leu	Arg	His	Leu	Glu 55	Ser	Trp	Cys	Val	Gln 60	Arg	Asp	Lys	Tyr
Arg 65	Tyr	Phe	Ala	Cys	Leu 70	Met	Arg	Ala	Arg	Phe 75	Glu	Glu	His	Lys	Asn 80
Glu	Lys	Asp	Met	Ala 85	Lys	Ala	Thr	Gln	Leu 90	Leu	Lys	Glu	Ala	Glu 95	Glu
Glu	Phe	Trp	Tyr 100	Arg	Gln	His	Pro	Gln 105	Pro	Tyr	Ile	Phe	Pro 110	Asp	Ser
Pro	Gly	Gly 115	Thr	Ser	Tyr	Glu	Arg 120	Tyr	Asp	Cys	Tyr	Lys 125	Val	Pro	Glu
Trp	Cys 130	Leu	Asp	Asp	Trp	His 135	Pro	Ser	Glu	Lys	Ala 140	Met	Tyr	Pro	Asp
Tyr 145	Phe	Ala	Lys	Arg	Glu 150	Gln	Trp	Lys	Lys	Leu 155	Arg	Arg	Glu	Ser	Trp 160
Glu	Arg	Glu	Val	Lys 165	Gln	Leu	Gln	Glu	Glu 170	Thr	Pro	Pro	Gly	Gly 175	Pro
Leu	Thr	Glu	Ala	Leu	Pro	Pro	Ala	Arg	Lys	Glu	Gly	Asp	Leu	Pro	Pro

180								185				190			
Leu	Trp	Trp	Tyr	Ile	Val	Thr	Arg	Pro	Arg	Glu	Arg	Pro	Met		
		195					200					205			
<210> 285															
<211> 139															
<212> PRT															
<213> Homo sapiens															
<400> 285															
Pro	Leu	Val	Pro	Ser	Phe	Pro	Ser	Ala	Val	Ser	Ser	Thr	Val	Leu	Ser
1				5					10					15	
Trp	Gln	Ser	Asn	Gln	Asp	Thr	Leu	Pro	Ser	Gln	Lys	Asp	Ala	Ser	His
			20					25					30		
Leu	Ser	Thr	Ile	Leu	Gly	Pro	Cys	Ser	Asn	Arg	Ile	Ser	His	Arg	Arg
		35					40					45			
Cys	Pro	Gln	Glu	Ser	Gln	Gly	Arg	Cys	Met	Ala	Val	Asp	Ala	Asp	Gly
	50					55					60				
Thr	Arg	Ile	Leu	Pro	Arg	Pro	Pro	Ser	Ala	Ala	Gly	Trp	Pro	Ser	Pro
65					70					75					80
Tyr	Pro	Phe	His	Ser	Tyr	Val	Leu	Gln	Thr	Gly	Leu	Ser	Ser	Asn	Lys
				85					90					95	
Gln	Ser	Ile	Gly	Ile	Cys	Leu	Ser	Gly	Arg	Thr	Thr	Thr	Arg	Gly	Gly
			100					105					110		
Val	Ala	Pro	Ala	Tyr	Lys	Ala	Ala	Thr	Pro	Phe	Ala	Asp	Gly	Ser	Gly
		115					120					125			
Arg	Val	Pro	Thr	Pro	Arg	Thr	Pro	Leu	Arg	Arg					
	130					135									
<210> 286															
<211> 80															
<212> PRT															
<213> Homo sapiens															
<400> 286															
Leu	Met	Met	Thr	Ile	Tyr	Ala	Leu	Ser	Asn	Glu	Phe	Ala	Phe	Lys	Ile
1				5					10					15	
Asn	Glu	Glu	Gln	Leu	Ser	Phe	Phe	Pro	Leu	Leu	Ser	Val	Gln	Leu	Trp
			20					25					30		
His	Ala	Gln	Arg	Phe	Leu	Leu	Asp	Ser	Ser	Trp	Ser	Gly	Val	Ile	Pro
		35					40					45			
Phe	Phe	Phe	Ser	Cys	Ser	Cys	Leu	Pro	Phe	Leu	Tyr	Pro	Pro	Arg	Trp
	50					55					60				
Arg	Gln	Ile	His	Asp	Leu	Lys	Asp	Thr	Gln	Tyr	Leu	Leu	Asn	Ser	Ser
65					70					75					80
<210> 287															
<211> 80															

<400> 287

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<210> 288
<211> 206
<212> PRT
<213> Homo sapiens
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<400> 288

Arg 1	Leu	Ser	Cys	Ala 5	Gly	Thr	Leu	Ser	Gly 10	Ser	Gly	Pro	His	Pro 15	Ser
Arg	Arg	Leu	Thr 20	Gln	Gly	Arg	Trp	Val 25	Arg	Lys	Ser	Arg	Val 30	Ala	Met
Glu	Lys	Ile 35	Pro	Val	Ser	Ala	Phe 40	Leu	Leu	Leu	Val	Ala 45	Leu	Ser	Tyr
Thr	Leu 50	Ala	Arg	Asp	Thr	Thr 55	Val	Lys	Pro	Gly	Ala 60	Lys	Lys	Asp	Thr
Lys 65	Asp	Ser	Arg	Pro	Lys 70	Leu	Pro	Gln	Thr	Leu 75	Ser	Arg	Gly	Trp	Gly 80
Asp	Gln	Leu	Ile	Trp 85	Thr	Gln	Thr	Tyr	Glu 90	Glu	Ala	Leu	Tyr	Lys 95	Ser
Lys	Thr	Ser	Asn 100	Lys	Pro	Leu	Met	Ile 105	Ile	His	His	Leu	Asp 110	Glu	Cys
Pro	His	Ser 115	Gln	Ala	Leu	Lys	Lys 120	Val	Phe	Ala	Glu	Asn 125	Lys	Glu	Ile
Gln	Lys 130	Leu	Ala	Glu	Gln	Phe 135	Val	Leu	Leu	Asn	Leu 140	Val	Tyr	Glu	Thr
Thr 145	Asp	Lys	His	Leu	Ser 150	Pro	Asp	Gly	Gln	Tyr 155	Val	Pro	Arg	Ile	Met 160
Phe	Val	Asp	Pro	Ser 165	Leu	Thr	Val	Arg	Ala 170	Asp	Ile	Thr	Gly	Arg 175	Tyr
Ser	Asn	Arg	Leu 180	Tyr	Ala	Tyr	Glu	Pro 185	Ala	Asp	Thr	Ala	Leu 190	Leu	Leu

Asp	Asn	Met	Lys	Lys	Ala	Leu	Lys	Leu	Leu	Lys	Thr	Glu	Leu
		195					200					205	

<210> 289

<211> 77

<212> PRT

<213> Homo sapiens

<400> 289

Gly	Asn	Pro	Glu	Leu	Pro	Trp	Arg	Lys	Phe	Gln	Cys	Gln	His	Ser	Cys
1				5					10					15	
Ser	Leu	Trp	Pro	Ser	Pro	Thr	Leu	Trp	Pro	Glu	Ile	Pro	Gln	Ser	Asn
			20					25					30		
Leu	Glu	Pro	Lys	Arg	Thr	Gln	Arg	Thr	Leu	Asp	Pro	Asn	Cys	Pro	Arg
		35					40					45			
Pro	Ser	Pro	Glu	Val	Gly	Val	Thr	Asn	Ser	Ser	Gly	Leu	Arg	His	Met
	50					55					60				
Lys	Lys	Leu	Tyr	Ile	Asn	Pro	Arg	Gln	Ala	Thr	Asn	Pro			
65					70					75					

<210> 290

<211> 160

<212> PRT

<213> Homo sapiens

<400> 290

Gly	Gly	Xxx	Gly	Xxx	Gln	Leu	Leu	Xxx	Pro	Xxx	Ala	Xxx	Gln	Gly	Xxx
1				5					10					15	
Pro	Ala	Ala	Ser	Cys	Xxx	Xxx	Gln	Asp	Val	His	Leu	Xxx	Arg	Cys	Xxx
			20					25					30		
Thr	Val	Val	Arg	Trp	Tyr	Gln	Arg	Ile	Thr	Gly	Met	Pro	Xxx	Xxx	Ala
		35					40					45			
Pro	Thr	Arg	Asn	Phe	Ser	Lys	Phe	Gln	Arg	Xxx	Val	Met	Asp	Leu	His
	50					55					60				
Gly	Phe	Pro	Lys	Glu	Xxx	Gly	Gln	Xxx	Glu	Xxx	Gln	Glu	Xxx	Leu	Gln
65					70					75					80
Trp	Glu	Gly	Arg	Ser	Ser	Ser	Gly	Lys	Cys	Arg	Ile	Ser	Xxx	Ser	Xxx
				85					90					95	
Leu	Pro	Xxx	Ser	Thr	Ile	Xxx	Xxx	Phe	Leu	Lys	Xxx	Xxx	Trp	Xxx	Xxx
			100					105					110		
Ile	Arg	Xxx	Gln	Ser	Pro	Xxx	Thr	Trp	Xxx	Arg	Thr	Tyr	Leu	Arg	Leu
		115					120					125			
Gly	Ser	Ile	Ser	Glu	Phe	Ser	Pro	Gly	Ser	Cys	Leu	Pro	Asn	Trp	Leu
	130					135					140				
Glu	Gly	Lys	Pro	Arg	Met	Thr	Xxx	Ala	Lys	Trp	Pro	Lys	Phe	Phe	Leu
145					150					155					160

<210> 291

<211> 150
 <212> PRT
 <213> Homo sapiens

<400> 291

Arg 1	His	Xxx	Pro	Leu 5	Xxx	Leu	Gly	Xxx	His 10	Gly	His	Arg	Ala	His 15	Ser
Cys	Leu	Gly	Trp 20	Ser	Gln	Xxx	Ala	Leu 25	Trp	Asp	Xxx	Ala	Trp 30	Gly	Leu
Xxx	Xxx	Xxx 35	Gly	Ser	Xxx	Gln	Xxx 40	Arg	Lys	Lys	Glu	Ala 45	Xxx	Trp	Cys
Val	Xxx 50	Val	Gly	Xxx	Val	Gly 55	Xxx	Cys	Xxx	Xxx	Pro 60	Xxx	Glu	Xxx	Met
Xxx 65	Xxx	Gly	Phe	Glu	Gln 70	Asn	Xxx	Xxx	Gly	Pro 75	Xxx	Asn	Xxx	Xxx	Val 80
Ser	Xxx	Leu	Gly	Xxx 85	Xxx	Xxx	Trp	Asn	Arg 90	Xxx	Ala	Glu	Lys	Asn 95	Met
Xxx	Gly	Cys	Cys 100	Ala	Lys	Xxx	Val	Asn 105	Xxx	Xxx	Met	Asp	His 110	Xxx	Xxx
Gly	Phe	Gln 115	Xxx	Arg	Gln	Ile	Arg 120	Gly	Leu	Cys	Ser	His 125	Ala	His	Thr
Gly	Xxx 130	Asn	Cys	His	Val	Ser 135	Xxx	Ser	Gly	Ser	Asp 140	Thr	Gln	Leu	Cys
Xxx 145	Gly	Leu	Ser	Phe	Met 150										

<210> 292
 <211> 86
 <212> PRT
 <213> Homo sapiens

<400> 292

Arg 1	Ala	Ala	Lys	Ile 5	Leu	Lys	Gly	Gly	Leu 10	Gln	Glu	Val	Ala	Glu 15	Gln
Leu	Glu	Leu	Glu 20	Arg	Ile	Gly	Pro	Gln 25	His	Gln	Ala	Gly	Ser 30	Asp	Ser
Leu	Leu	Thr 35	Gly	Met	Ala	Phe	Phe 40	Lys	Met	Arg	Glu	Met 45	Phe	Phe	Glu
Asp	His 50	Ile	Asp	Asp	Ala	Lys 55	Tyr	Cys	Gly	His	Leu 60	Tyr	Gly	Leu	Gly
Ser 65	Gly	Ser	Ser	Tyr	Val 70	Gln	Asn	Gly	Thr	Gly 75	Asn	Ala	Tyr	Glu	Glu 80
Glu	Ala	Asn	Lys	Gln 85	Ser										

<210> 293
 <211> 64

<212> PRT
 <213> Homo sapiens

<400> 293

Ile	Lys	Ala	Lys	Phe	Asn	Leu	Asn	Ala	Phe	Phe	Phe	Phe	Phe	Leu	Leu
1				5					10					15	
Arg	Ser	Glu	Ile	Gly	Thr	Val	Ile	Leu	Ser	Thr	Glu	Arg	Gln	Thr	Ile
			20					25					30		
Lys	Trp	Ala	Met	Lys	Gly	Gly	Gly	Lys	Val	Leu	Ser	Ile	Val	Arg	Gly
		35					40					45			
Ile	Gln	Pro	Glu	Ile	Lys	Pro	Ile	Tyr	Lys	His	Val	Cys	Ser	Ser	Lys
	50					55					60				

<210> 294
 <211> 226
 <212> PRT
 <213> Homo sapiens

<400> 294

Ala	Ser	Thr	Ile	Met	Asp	Leu	Leu	Phe	Gly	Arg	Arg	Lys	Thr	Pro	Glu
1				5					10					15	
Glu	Leu	Leu	Arg	Gln	Asn	Gln	Arg	Ala	Leu	Asn	Arg	Ala	Met	Arg	Glu
			20					25					30		
Leu	Asp	Arg	Glu	Arg	Gln	Lys	Leu	Glu	Thr	Gln	Glu	Lys	Lys	Ile	Ile
		35					40					45			
Ala	Asp	Ile	Lys	Lys	Met	Ala	Lys	Gln	Gly	Gln	Met	Asp	Ala	Val	Arg
	50					55					60				
Ile	Met	Ala	Lys	Asp	Leu	Val	Arg	Thr	Arg	Arg	Tyr	Val	Arg	Lys	Phe
65					70				75						80
Val	Leu	Met	Arg	Ala	Asn	Ile	Gln	Ala	Val	Ser	Leu	Lys	Ile	Gln	Thr
				85					90					95	
Leu	Lys	Ser	Asn	Asn	Ser	Met	Ala	Gln	Ala	Met	Lys	Gly	Val	Thr	Lys
			100					105					110		
Ala	Met	Gly	Thr	Met	Asn	Arg	Gln	Leu	Lys	Leu	Pro	Gln	Ile	Gln	Lys
		115					120					125			
Ile	Met	Met	Glu	Phe	Glu	Arg	Gln	Ala	Glu	Ile	Met	Asp	Met	Lys	Glu
	130					135					140				
Glu	Met	Met	Asn	Asp	Ala	Ile	Asp	Asp	Pro	Met	Gly	Asp	Glu	Glu	Asp
145					150					155					160
Glu	Glu	Glu	Ser	Asp	Ala	Val	Val	Ser	Gln	Val	Leu	Asp	Glu	Leu	Gly
				165					170					175	
Leu	Ser	Leu	Thr	Asp	Glu	Leu	Ser	Asn	Leu	Pro	Ser	Thr	Gly	Gly	Ser
			180					185					190		
Leu	Ser	Val	Ala	Ala	Gly	Gly	Lys	Lys	Ala	Glu	Ala	Ala	Ala	Ser	Ala
		195					200					205			

Arg Asp
225

<400> 295

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<210> 296
<211> 233
<212> PRT
<213> Homo sapiens
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<400> 296

Lys 1	Pro	Glu	Gly	Ala 5	Arg	Arg	Val	Gln	Phe 10	Val	Met	Gly	Leu	Phe 15	Gly
Lys	Thr	Gln	Glu 20	Lys	Pro	Pro	Lys	Glu 25	Leu	Val	Asn	Glu	Trp 30	Ser	Leu
Lys	Ile	Arg 35	Lys	Glu	Met	Arg	Val 40	Val	Asp	Arg	Gln	Ile 45	Arg	Asp	Ile
Gln	Arg	Glu	Glu	Glu	Lys	Val	Lys	Arg	Ser	Val	Lys	Asp	Ala	Ala	Lys

50					55					60					
Lys 65	Gly	Gln	Lys	Asp	Val 70	Cys	Ile	Val	Leu	Ala 75	Lys	Glu	Met	Ile	Arg 80
Ser	Arg	Lys	Ala	Val 85	Ser	Lys	Leu	Tyr	Ala 90	Ser	Lys	Ala	His	Met 95	Asn
Ser	Val	Leu	Met 100	Gly	Met	Lys	Asn	Gln 105	Leu	Ala	Val	Leu	Arg 110	Val	Ala
Gly	Ser	Leu 115	Gln	Lys	Ser	Thr	Glu 120	Val	Met	Lys	Ala	Met 125	Gln	Ser	Leu
Val	Lys 130	Ile	Pro	Glu	Ile	Gln 135	Ala	Thr	Met	Arg	Glu 140	Leu	Ser	Lys	Glu
Met 145	Met	Lys	Ala	Gly	Ile 150	Ile	Glu	Glu	Met	Leu 155	Glu	Asp	Thr	Phe	Glu 160
Ser	Met	Asp	Asp	Gln 165	Glu	Glu	Met	Glu	Glu 170	Glu	Ala	Glu	Met	Glu 175	Ile
Asp	Arg	Ile	Leu 180	Phe	Glu	Ile	Thr	Ala 185	Gly	Ala	Leu	Gly	Lys 190	Ala	Pro
Ser	Lys	Val 195	Thr	Asp	Ala	Leu	Pro 200	Glu	Pro	Glu	Pro	Pro 205	Gly	Ala	Met
Ala	Ala 210	Ser	Glu	Asp	Glu	Gly 215	Glu	Glu	Glu	Glu	Ala 220	Leu	Glu	Ala	Met
Gln 225	Ser	Arg	Leu	Ala	Thr 230	Leu	Arg	Ser							

<210> 297

<211> 129

<212> PRT

<213> Homo sapiens

<400> 297

Leu 1	Met	Pro	Phe	Gln 5	Ser	Gln	Asn	Leu	Gln 10	Glu	Arg	Trp	Leu	Pro 15	Gln					
Arg	Met	Arg	Gly 20	Arg	Arg	Lys	Arg	Leu 25	Trp	Arg	Pro	Cys	Ser 30	Pro	Gly					
Trp	Pro	His 35	Ser	Ala	Ala	Arg	Gly 40	Cys	Leu	Pro	Arg	Trp 45	Val	Cys	Thr					
His	Ser 50	Ser	Gln	Glu	Leu	Pro 55	Phe	Tyr	Val	Ser	Leu 60	Ala	Leu	His	Leu					
Cys 65	Cys	Glu	Asp	Tyr	His 70	Phe	Gly	Glu	Gly	Ser 75	Val	Cys	Leu	Phe	Ser 80					
Phe	Ser	Ala	Gln	Val 85	Leu	Gly	Ser	Gln	Arg 90	Asp	Cys	Ser	Tyr	Lys 95	Ser					
Gly	Ile	Asn	Lys 100	Cys	Ile	Ile	Phe	Arg 105	Ser	Ile	Asp	Arg	Tyr 110	Ile	Leu					

Leu Trp Gly Gly Glu Arg Asn Pro Ser Ala His Glu Ala Leu Leu Lys
 115 120 125

Ile

<210> 298

<211> 351

<212> PRT

<213> Homo sapiens

<400> 298

Thr 1	Trp	Cys	Thr	Thr 5	Thr	Met	Leu	Ala	Ala 10	Arg	Leu	Val	Cys	Leu 15	Arg
Thr	Leu	Pro	Ser 20	Arg	Val	Phe	His	Pro 25	Ala	Phe	Thr	Lys	Ala 30	Ser	Pro
Val	Val	Lys 35	Asn	Ser	Ile	Thr	Lys 40	Asn	Gln	Trp	Leu	Leu 45	Thr	Pro	Ser
Arg	Glu 50	Tyr	Ala	Thr	Lys	Thr 55	Arg	Ile	Gly	Ile	Arg 60	Arg	Gly	Arg	Thr
Gly 65	Gln	Glu	Leu	Lys	Glu 70	Ala	Ala	Leu	Glu	Pro 75	Ser	Met	Glu	Lys	Ile 80
Phe	Lys	Ile	Asp	Gln 85	Met	Gly	Arg	Trp	Phe 90	Val	Ala	Gly	Gly	Ala 95	Ala
Val	Gly	Leu	Gly 100	Ala	Leu	Cys	Tyr	Tyr 105	Gly	Leu	Gly	Leu	Ser 110	Asn	Glu
Ile	Gly	Ala 115	Ile	Glu	Lys	Ala	Val 120	Ile	Trp	Pro	Gln	Tyr 125	Val	Lys	Asp
Arg	Ile 130	His	Ser	Thr	Tyr	Met 135	Tyr	Leu	Ala	Gly	Ser 140	Ile	Gly	Leu	Thr
Ala 145	Leu	Ser	Ala	Ile	Ala 150	Ile	Ser	Arg	Thr	Pro 155	Val	Leu	Met	Asn	Phe 160
Met	Met	Arg	Gly	Ser 165	Trp	Val	Thr	Ile	Gly 170	Val	Thr	Phe	Ala	Ala 175	Met
Val	Gly	Ala	Gly 180	Met	Leu	Val	Arg	Ser 185	Ile	Pro	Tyr	Asp	Gln 190	Ser	Pro
Gly	Pro	Lys 195	His	Leu	Ala	Trp	Leu 200	Leu	His	Ser	Gly	Val 205	Met	Gly	Ala
Val 210	Val	Ala	Pro	Leu	Thr	Ile 215	Leu	Gly	Gly	Pro	Leu 220	Leu	Ile	Arg	Ala
Ala 225	Trp	Tyr	Thr	Ala	Gly 230	Ile	Val	Gly	Gly	Leu 235	Ser	Thr	Val	Ala	Met 240
Cys	Ala	Pro	Ser	Glu 245	Lys	Phe	Leu	Asn	Met 250	Gly	Ala	Pro	Leu	Gly 255	Val
Gly	Leu	Gly	Leu 260	Val	Phe	Val	Ser	Ser 265	Leu	Gly	Ser	Met	Phe 270	Leu	Pro

00000 00000 00000

Pro	Thr	Thr	Val	Ala	Gly	Ala	Thr	Leu	Tyr	Ser	Val	Ala	Met	Tyr	Gly
		275					280					285			
Gly	Leu	Val	Leu	Phe	Ser	Met	Phe	Leu	Leu	Tyr	Asp	Thr	Gln	Lys	Val
	290					295					300				
Ile	Lys	Arg	Ala	Glu	Val	Ser	Pro	Met	Tyr	Gly	Val	Gln	Lys	Tyr	Asp
305					310					315					320
Pro	Ile	Asn	Ser	Met	Leu	Ser	Ile	Tyr	Met	Asp	Thr	Leu	Asn	Ile	Phe
				325					330					335	
Met	Arg	Val	Ala	Thr	Met	Leu	Ala	Thr	Gly	Gly	Asn	Arg	Lys	Lys	
			340					345					350		

<210> 299

<211> 147

<212> PRT

<213> Homo sapiens

<400> 299

Arg	Val	Ala	Pro	Ala	Thr	Val	Val	Gly	Gly	Arg	Asn	Ile	Asp	Pro	Asn
1				5					10					15	
Glu	Asp	Thr	Lys	Thr	Arg	Pro	Arg	Pro	Thr	Pro	Arg	Gly	Ala	Pro	Met
			20					25					30		
Phe	Arg	Asn	Phe	Ser	Leu	Gly	Ala	His	Met	Ala	Thr	Val	Glu	Arg	Pro
		35					40					45			
Pro	Thr	Met	Pro	Ala	Val	Tyr	His	Ala	Ala	Leu	Met	Arg	Arg	Gly	Pro
	50					55					60				
Pro	Asn	Ile	Val	Arg	Gly	Ala	Thr	Thr	Ala	Pro	Ile	Thr	Pro	Glu	Cys
65					70					75					80
Ser	Asn	Gln	Ala	Arg	Cys	Phe	Gly	Pro	Gly	Leu	Trp	Ser	Tyr	Gly	Ile
				85					90					95	
Asp	Arg	Thr	Ser	Ile	Pro	Ala	Pro	Thr	Met	Ala	Ala	Lys	Val	Thr	Pro
			100					105					110		
Ile	Val	Thr	Gln	Glu	Pro	Leu	Ile	Met	Lys	Phe	Met	Arg	Thr	Gly	Val
		115					120					125			
Leu	Leu	Ile	Ala	Met	Ala	Asp	Lys	Ala	Val	Lys	Pro	Ile	Leu	Pro	Ala
	130					135					140				
Lys	Tyr	Ile													
145															

<210> 300

<211> 188

<212> PRT

<213> Homo sapiens

<400> 300

Arg	Arg	Leu	Glu	Val	Ser	Tyr	Arg	Gln	His	His	Phe	Arg	Val	Ser	Leu
1				5					10					15	
Ala	Pro	Trp	Ser	Lys	Met	Ala	Asp	Glu	Ala	Thr	Arg	Arg	Val	Val	Ser

20								25				30			
Glu	Ile	Pro 35	Val	Leu	Lys	Thr	Asn 40	Ala	Gly	Pro	Arg	Asp 45	Arg	Glu	Leu
Trp	Val 50	Gln	Arg	Leu	Lys	Glu 55	Glu	Tyr	Gln	Ser	Leu 60	Ile	Arg	Tyr	Val
Glu 65	Asn	Asn	Lys	Asn	Ala 70	Asp	Asn	Asp	Trp	Phe 75	Arg	Leu	Glu	Ser	Asn 80
Lys	Glu	Gly	Thr	Arg 85	Trp	Phe	Gly	Lys	Cys 90	Trp	Tyr	Ile	His	Asp 95	Leu
Leu	Lys	Tyr	Glu 100	Phe	Asp	Ile	Glu	Phe 105	Asp	Ile	Pro	Ile	Thr 110	Tyr	Pro
Thr	Thr	Ala 115	Pro	Glu	Ile	Ala	Val 120	Pro	Glu	Leu	Asp	Gly 125	Lys	Thr	Ala
Lys	Met 130	Tyr	Arg	Gly	Gly	Lys 135	Ile	Cys	Leu	Thr	Asp 140	His	Phe	Lys	Pro
Leu 145	Trp	Ala	Arg	Asn	Val 150	Pro	Lys	Phe	Gly	Leu 155	Ala	His	Leu	Met	Ala 160
Leu	Gly	Leu	Gly	Pro 165	Trp	Leu	Ala	Val	Glu 170	Ile	Pro	Asp	Leu	Ile 175	Gln
Lys	Gly	Val	Ile 180	Gln	His	Lys	Glu	Lys 185	Cys	Asn	Gln				

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<211> 172

<212> PRT

<213> Homo sapiens

<400> 301

Ser 1	Lys	Phe	Gly	His 5	Ile	Pro	Gly	Pro	Gln 10	Arg	Phe	Glu	Met	Ile 15	Arg
Gln	Ala	Tyr	Phe 20	Ala	Thr	Pro	Val	His 25	Leu	Cys	Cys	Leu	Ser 30	Ile	Gln
Leu	Arg	Asn 35	Cys	Asn	Phe	Trp	Gly 40	Ser	Ser	Arg	Ile	Cys 45	Asp	Arg	Asn
Val	Lys 50	Leu	Asp	Val	Lys	Leu 55	Ile	Phe	Gln	Glu	Val 60	Met	Asp	Ile	Pro
Ala 65	Phe	Ser	Lys	Pro	Pro 70	Ser	Ser	Phe	Leu	Val 75	Gly	Leu	Gln	Ser	Glu 80
Pro	Ile	Val	Val	Ser 85	Ile	Leu	Val	Val	Leu 90	His	Ile	Pro	Asp	Lys 95	Gly
Leu	Ile	Phe	Leu 100	Leu	Gln	Ser	Leu	His 105	Pro	Gln	Leu	Thr	Ile 110	Ser	Gly
Ser	Gly	Val 115	Ser	Leu	Gln	His	Arg 120	Asp	Leu	Arg	His	Asn 125	Thr	Ser	Arg

Gly	Phe	Ile	Arg	His	Leu	Gly	Pro	Gly	Arg	Lys	Arg	Asn	Ala	Glu	Val
	130					135					140				
Val	Leu	Pro	Val	Ala	Tyr	Leu	Lys	Ala	Pro	Ser	Ser	Leu	Leu	Trp	Glu
145					150					155					160
Asp	Glu	Thr	Leu	Gly	Cys	Cys	Lys	Thr	Ser	Phe	Glu				
				165					170						

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 <213> Homo sapiens
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Ala	Val	Arg	Arg	Arg	Gly	Ala	Leu	Ser	Leu	Ser	Val	Gly	Ala	Ala	Cys
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			20					25					30		
Ser	Gly	Phe	Ser	Thr	Glu	Glu	Arg	Ala	Ala	Pro	Phe	Ser	Leu	Glu	Tyr
		35					40					45			
Arg	Val	Phe	Leu	Lys	Asn	Glu	Lys	Gly	Gln	Tyr	Ile	Ser	Pro	Phe	His
	50					55					60				
Asp	Ile	Pro	Ile	Tyr	Ala	Asp	Lys	Asp	Val	Phe	His	Met	Val	Val	Glu
65					70					75					80
Val	Pro	Arg	Trp	Ser	Asn	Ala	Lys	Met	Glu	Ile	Ala	Thr	Lys	Asp	Pro
				85					90					95	
Leu	Asn	Pro	Ile	Lys	Gln	Asp	Val	Lys	Lys	Gly	Lys	Leu	Arg	Tyr	Val
			100					105					110		
Ala	Asn	Leu	Phe	Pro	Tyr	Lys	Gly	Tyr	Ile	Trp	Asn	Tyr	Gly	Ala	Ile
		115					120					125			
Pro	Gln	Thr	Trp	Glu	Asp	Pro	Gly	His	Asn	Asp	Lys	His	Thr	Gly	Cys
	130					135					140				
Cys	Gly	Asp	Asn	Asp	Pro	Ile	Asp	Val	Cys	Glu	Ile	Gly	Ser	Lys	Val
145					150					155					160
Cys	Ala	Arg	Gly	Glu	Ile	Ile	Gly	Val	Lys	Val	Leu	Gly	Ile	Leu	Ala
				165					170					175	
Met	Ile	Asp	Glu	Gly	Glu	Thr	Asp	Trp	Lys	Val	Ile	Ala	Ile	Asn	Val
			180					185					190		
Asp	Asp	Pro	Asp	Ala	Ala	Asn	Tyr	Asn	Asp	Ile	Asn	Asp	Val	Lys	Arg
		195					200					205			
Leu	Lys	Pro	Gly	Tyr	Leu	Glu	Ala	Thr	Val	Asp	Trp	Phe	Arg	Arg	Tyr
	210					215					220				
Lys	Val	Pro	Asp	Gly	Lys	Pro	Glu	Asn	Glu	Phe	Ala	Phe	Asn	Ala	Glu
225					230					235					240
Phe	Lys	Asp	Lys	Asp	Phe	Ala	Ile	Asp	Ile	Ile	Lys	Ser	Thr	His	Asp
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[illegible]

<400> 304

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Arg	Gly	Gly	Arg 20	Gly	Arg	Gly	Met	Gly 25	Arg	Gly	Asp	Gly	Phe 30	Asp	Ser
Arg	Gly	Lys 35	Arg	Glu	Phe	Asp	Arg 40	His	Ser	Gly	Ser	Asp 45	Arg	Ser	Gly
Leu	Lys 50	His	Glu	Asp	Lys	Arg 55	Gly	Gly	Ser	Gly	Ser 60	His	Asn	Trp	Gly
Thr 65	Val	Lys	Asp	Glu	Leu 70	Thr	Glu	Ser	Pro	Lys 75	Tyr	Ile	Gln	Lys	Gln 80
Ile	Ser	Tyr	Asn	Tyr 85	Ser	Asp	Leu	Asp	Gln 90	Ser	Asn	Val	Thr	Glu 95	Glu

Thr	Pro	Glu	Gly 100	Glu	Glu	His	His	Pro 105	Val	Ala	Asp	Thr	Glu 110	Asn	Lys
Glu	Asn	Glu 115	Val	Glu	Glu	Val	Lys 120	Glu	Glu	Gly	Pro	Lys 125	Glu	Met	Thr
Leu	Asp 130	Glu	Trp	Lys	Ala	Ile 135	Gln	Asn	Lys	Asp	Arg 140	Ala	Lys	Val	Glu
Phe 145	Asn	Ile	Arg	Lys	Pro 150	Asn	Glu	Gly	Ala	Asp 155	Gly	Gln	Trp	Lys	Lys 160
Gly	Phe	Val	Leu	His 165	Lys	Ser	Lys	Ser	Glu 170	Glu	Ala	His	Ala	Glu 175	Asp
Ser	Val	Met	Asp 180	His	His	Phe	Arg	Lys 185	Pro	Ala	Asn	Asp	Ile 190	Thr	Ser
Gln	Leu	Glu 195	Ile	Asn	Phe	Gly	Asp 200	Leu	Gly	Arg	Pro	Gly 205	Arg	Gly	Gly
Arg	Gly 210	Gly	Arg	Gly	Gly	Arg 215	Gly	Arg	Gly	Gly	Arg 220	Pro	Asn	Arg	Gly
Ser 225	Arg	Thr	Asp	Lys	Ser 230	Ser	Ala	Ser	Ala	Pro 235	Asp	Val	Asp	Asp	Pro 240
Glu	Ala	Phe	Pro	Ala 245	Leu	Ala									

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<212> PRT

<213> Homo sapiens

<400> 305

Ser 1	Phe	Gly	Ile	Leu 5	Lys	His	Ala	Lys	Ala 10	Leu	Asn	Arg	Arg	Val 15	His
Lys	Gly	Thr	Arg 20	Val	Val	Leu	Trp	His 25	Pro	Val	Lys	Pro	Glu 30	Leu	Gly
Met	Pro	Leu 35	Gly	His	Pro	His	Gln 40	Glu	Gln	Lys	His	Leu 45	Thr	Cys	Arg
Ser	Cys 50	Cys	His	Gly	Leu	Gly 55	Ala	His	His	Ala	His 60	Val	His	Leu	Val
Leu 65	Pro	Cys	Arg	His	Val 70	Leu	Gly	Gly	Gln	Gly 75	Leu	Gln	Asn		

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<212> PRT

<213> Homo sapiens

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Ala 1	Thr	Arg	Gly	Ala 5	Glu	Gln	Asp	Gly	Gly 10	Ala	Ser	Ala	Ala	Arg 15	Pro
Arg	Arg	Arg	Trp	Ala	Gly	Gly	Leu	Leu	Gln	Arg	Ala	Ala	Pro	Cys	Ser

20							25					30				
Leu	Leu	Pro 35	Arg	Leu	Arg	Thr	Trp 40	Thr	Ser	Ser	Ser	Asn 45	Arg	Ser	Arg	
Glu	Asp 50	Ser	Trp	Leu	Lys	Ser 55	Leu	Phe	Val	Arg	Lys 60	Val	Asp	Pro	Arg	
Lys 65	Asp	Ala	His	Ser	Asn 70	Leu	Leu	Ala	Lys	Lys 75	Glu	Thr	Ser	Asn	Leu 80	
Tyr	Lys	Leu	Gln	Phe 85	His	Asn	Val	Lys	Pro 90	Glu	Cys	Leu	Glu	Ala 95	Tyr	
Asn	Lys	Ile	Cys 100	Gln	Glu	Val	Leu	Pro 105	Lys	Ile	His	Glu	Asp 110	Lys	His	
Tyr	Pro	Cys 115	Thr	Leu	Val	Gly	Thr 120	Trp	Asn	Thr	Trp	Tyr 125	Gly	Glu	Gln	
Asp	Gln 130	Ala	Val	His	Leu	Trp 135	Arg	Tyr	Glu	Gly	Gly 140	Tyr	Pro	Ala	Leu	
Thr 145	Glu	Val	Met	Asn	Lys 150	Leu	Arg	Glu	Asn	Lys 155	Glu	Phe	Leu	Glu	Phe 160	
Arg	Lys	Ala	Arg	Ser 165	Asp	Met	Leu	Leu	Ser 170	Arg	Lys	Asn	Gln	Leu 175	Leu	
Leu	Glu	Phe	Ser 180	Phe	Trp	Asn	Glu	Pro 185	Val	Pro	Arg	Ser	Gly 190	Pro	Asn	
Ile	Tyr	Glu 195	Leu	Arg	Ser	Tyr	Gln 200	Leu	Arg	Pro	Gly	Thr 205	Met	Ile	Glu	
Trp	Gly 210	Asn	Tyr	Trp	Ala	Arg 215	Ala	Ile	Arg	Phe	Arg 220	Gln	Asp	Gly	Asn	
Glu 225	Ala	Val	Gly	Gly	Phe 230	Phe	Ser	Gln	Ile	Gly 235	Gln	Leu	Tyr	Met	Val 240	
His	His	Leu	Trp	Ala 245	Tyr	Arg	Asp	Leu	Gln 250	Thr	Arg	Glu	Asp	Ile 255	Arg	
Asn	Ala	Ala	Trp 260	His	Lys	His	Gly	Trp 265	Glu	Glu	Leu	Val	Tyr 270	Tyr	Thr	
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Thr	Ser 290	Pro	Leu	Gln												
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Asp	His	Asp	Ser 20	Gly	Phe	His	Phe	Leu 25	Asn	Lys	Trp	Asn	Cys 30	Val	Ile
Tyr	Gln	Phe 35	Leu	Pro	Ala	Met	Phe 40	Val	Pro	Cys	Cys	Ile 45	Pro	Tyr	Val
Phe	Pro 50	Gly	Leu	Lys	Ile	Pro 55	Val	Ser	Pro	Lys	Met 60	Val	His	His	Val
Gln 65	Leu	Pro	Asn	Leu	Arg 70	Glu	Glu	Ser	Ser	Asp 75	Gly	Phe	Val	Thr	Ile 80
Leu	Ser	Glu	Ala	Asp 85	Cys	Thr	Ser	Pro	Val 90	Ile	Ala	Pro	Phe	Asn 95	His
Gly	Ser	Trp	Ser 100	Glu	Leu	Val	Arg	Pro 105	Glu	Phe	Ile	Tyr	Ile 110	Arg	Ser
Gly	Ser	Trp 115	His	Arg	Leu	Ile	Pro 120	Glu	Thr	Glu	Leu	Gln 125	Gln	Glu	Leu
Ile	Leu 130	Pro	Gly	Glu	Lys	His 135	Val	Thr	Ser	Cys	Leu 140	Thr	Lys	Phe	Gln
Lys 145	Phe	Leu	Ile	Phe	Ser 150	Glu	Phe	Ile	His	Asp 155	Phe	Cys	Glu	Gly	Trp 160
Ile	Ala	Ser	Phe	Ile 165	Pro	Pro	Glu	Val	Asp 170	Ser	Leu	Val	Leu	Leu 175	Ala
Ile	Pro	Arg	Val 180	Pro	Ser	Pro	His	Gln 185	Ser	Thr	Arg	Val	Val 190	Phe	Ile
Phe	Val	Asn 195	Leu	Trp	Gln	His	Leu 200	Leu	Thr	Asn	Phe	Val 205	Val	Cys	Phe